

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptal623paz

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	Jun 03	New e-mail delivery for search results now available
NEWS	4	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS	5	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS	6	Aug 26	Sequence searching in REGISTRY enhanced
NEWS	7	Sep 03	JAPIO has been reloaded and enhanced
NEWS	8	Sep 16	Experimental properties added to the REGISTRY file
NEWS	9	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS	10	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS	11	Oct 24	BEILSTEIN adds new search fields
NEWS	12	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS	13	Nov 18	DKILIT has been renamed APOLLIT
NEWS	14	Nov 25	More calculated properties added to REGISTRY
NEWS	15	Dec 04	CSA files on STN
NEWS	16	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS	17	Dec 17	TOXCENTER enhanced with additional content
NEWS	18	Dec 17	Adis Clinical Trials Insight now available on STN
NEWS	19	Jan 29	Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC
NEWS	20	Feb 13	CANCERLIT is no longer being updated
NEWS	21	Feb 24	METADEx enhancements
NEWS	22	Feb 24	PCTGEN now available on STN
NEWS	23	Feb 24	TEMA now available on STN
NEWS	24	Feb 26	NTIS now allows simultaneous left and right truncation
NEWS	25	Feb 26	PCTFULL now contains images
NEWS	26	Mar 04	SDI PACKAGE for monthly delivery of multifile SDI results
NEWS	27	Mar 20	EVENTLINE will be removed from STN
NEWS	28	Mar 24	PATDPAFULL now available on STN
NEWS	29	Mar 24	Additional information for trade-named substances without structures available in REGISTRY
NEWS	30	Apr 11	Display formats in DGENE enhanced
NEWS	31	Apr 14	MEDLINE Reload
NEWS	32	Apr 17	Polymer searching in REGISTRY enhanced
NEWS	33	Apr 21	Indexing from 1947 to 1956 being added to records in CA/CAPLUS
NEWS	34	Apr 21	New current-awareness alert (SDI) frequency in WPIDS/WPINDEX/WPIX
NEWS	35	Apr 28	RDISCLOSURE now available on STN
NEWS	36	May 05	Pharmacokinetic information and systematic chemical names added to PHAR

NEWS 37 May 15 MEDLINE file segment of TOXCENTER reloaded
 NEWS 38 May 15 Supporter information for ENCOMPPAT and ENCOMPLIT updated
 NEWS 39 May 16 CHEMREACT will be removed from STN
 NEWS 40 May 19 Simultaneous left and right truncation added to WSCA
 NEWS 41 May 19 RAPRA enhanced with new search field, simultaneous left and right truncation

NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT
 MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
 AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
 NEWS HOURS STN Operating Hours Plus Help Desk Availability
 NEWS INTER General Internet Information
 NEWS LOGIN Welcome Banner and News Items
 NEWS PHONE Direct Dial and Telecommunication Network Access to STN
 NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 12:11:33 ON 04 JUN 2003

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'CAPLUS' ENTERED AT 12:11:40 ON 04 JUN 2003

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 4 Jun 2003 VOL 138 ISS 23

FILE LAST UPDATED: 3 Jun 2003 (20030603/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> supramolecular

7327 SUPRAMOLECULAR

1 SUPRAMOLECULARS
7327 SUPRAMOLECULAR
(SUPRAMOLECULAR OR SUPRAMOLECULARS)
11594 SUPRAMOL
317 SUPRAMOLS
11723 SUPRAMOL
(SUPRAMOL OR SUPRAMOLS)
L1 14020 SUPRAMOLECULAR
(SUPRAMOLECULAR OR SUPRAMOL)

=> salicyl
L2 1439 SALICYL

=> salicyl?
L3 77758 SALICYL?

=> l1 and l3
L4 60 L1 AND L3

=> ?dioic
L5 23454 ?DIOIC

=> l4 and l5
L6 0 L4 AND L5

=> ?dioate
L7 3722 ?DIOATE

=> l4 and l7
L8 0 L4 AND L7

=> logoff hold
COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
9.86	10.07

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 12:13:11 ON 04 JUN 2003

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptal623paz

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 12:20:40 ON 04 JUN 2003
FILE 'CAPLUS' ENTERED AT 12:20:40 ON 04 JUN 2003
COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
9.86	10.07

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

9.86

10.07

FILE 'REGISTRY' ENTERED AT 12:20:47 ON 04 JUN 2003

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2003 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 3 JUN 2003 HIGHEST RN 524916-37-8

DICTIONARY FILE UPDATES: 3 JUN 2003 HIGHEST RN 524916-37-8

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNnote 27, Searching Properties in the CAS Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>

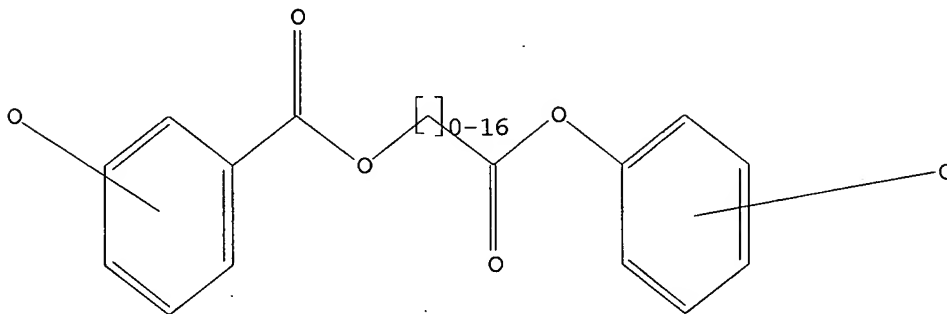
Uploading 10031950 generic aryl.str

L9 STRUCTURE UPLOADED

=> d 19

L9 HAS NO ANSWERS

L9 STR



Structure attributes must be viewed using STN Express query preparation.

=> search 19 sssam

COMBINATION OF STRUCTURE AND TEXT TERMS NOT VALID

The query entered contains both search terms created by structure-building or screen commands and text search terms. L#s created via the STRUCTURE or SCREEN commands must be searched in the structures files separately from text terms or profiles. The L# answer sets from structure searches can be used in crossover searches

and can be combined with text terms.

=> search l9 sss sam

SAMPLE SEARCH INITIATED 12:21:22 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 2149 TO ITERATE

46.5% PROCESSED 1000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 40200 TO 45760
PROJECTED ANSWERS: 0 TO 0

L10 0 SEA SSS SAM L9

=> search l9 sss full

FULL SEARCH INITIATED 12:21:46 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 43296 TO ITERATE

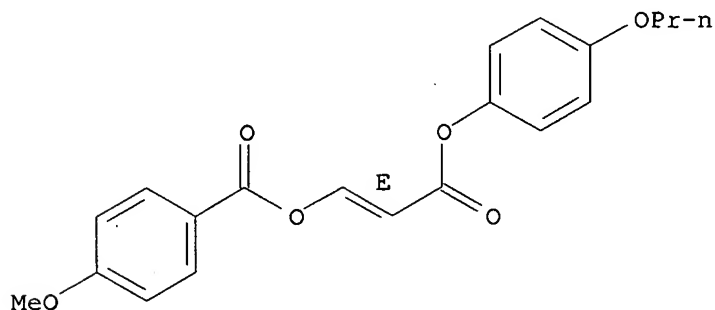
100.0% PROCESSED 43296 ITERATIONS 13 ANSWERS
SEARCH TIME: 00.00.02

L11 13 SEA SSS FUL L9

=> d scan

L11 13 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Benzoic acid, 4-methoxy-, (1E)-3-oxo-3-(4-propoxyphenoxy)-1-propenyl
ester
(9CI)
MF C20 H20 O6

Double bond geometry as shown.

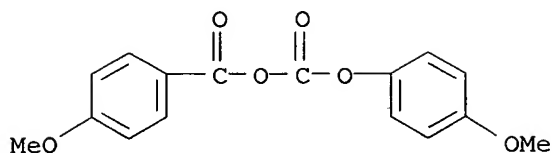


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):13

L11 13 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Benzoic acid, 4-methoxy-, anhydride with 4-methoxyphenyl hydrogen

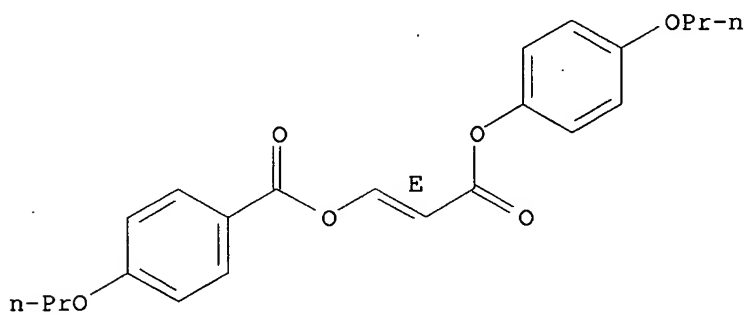
carbonate (9CI)
MF C16 H14 O6



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

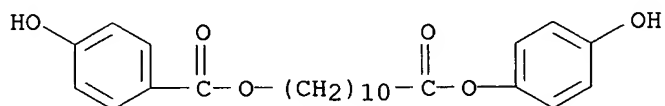
L11 13 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Benzoic acid, 4-propoxy-, (1E)-3-oxo-3-(4-propoxyphenoxy)-1-propenyl
ester
(9CI)
MF C22 H24 O6

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

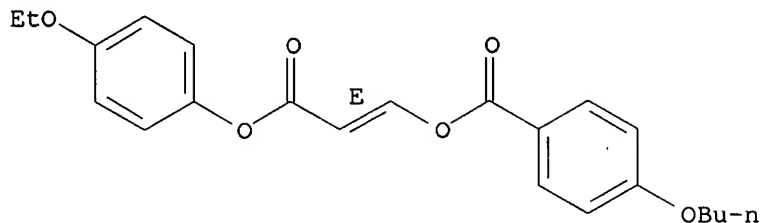
L11 13 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Benzoic acid, 4-hydroxy-, 11-(4-hydroxyphenoxy)-11-oxoundecyl ester (9CI)
MF C24 H30 O6



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L11 13 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Benzoic acid, 4-butoxy-, (1E)-3-(4-ethoxyphenoxy)-3-oxo-1-propenyl ester
(9CI)
MF C22 H24 O6

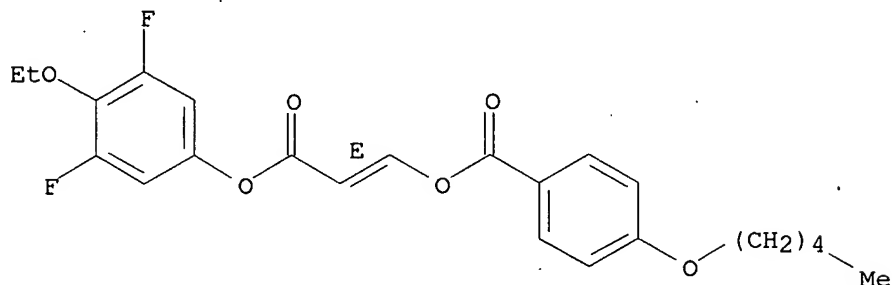
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L11 13 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Benzoic acid, 4-(pentyloxy)-,
 (1E)-3-(4-ethoxy-3,5-difluorophenoxy)-3-oxo-
 1-propenyl ester (9CI)
 MF C23 H24 F2 O6

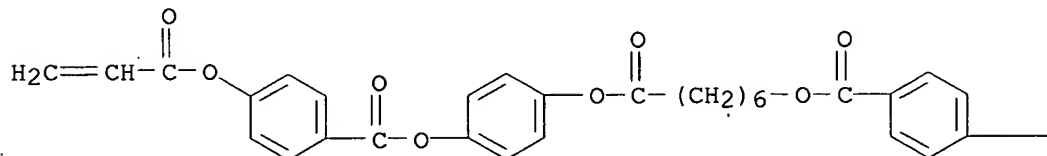
Double bond geometry as shown.

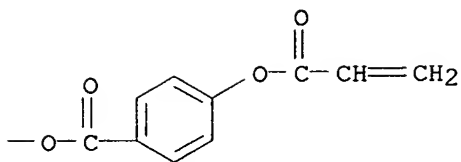


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L11 13 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Benzoic acid, 4-[[4-[(1-oxo-2-propenyl)oxy]benzoyl]oxy]-,
 7-oxo-7-[4-[[4-[(1-oxo-2-propenyl)oxy]benzoyl]oxy]phenoxy]heptyl ester
 (9CI)
 MF C40 H34 O12

PAGE 1-A

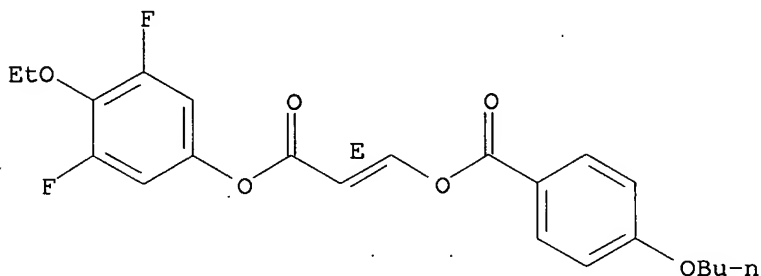




PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

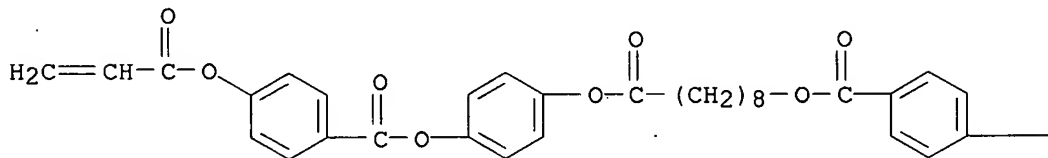
L11 13 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Benzoic acid, 4-butoxy-, (1E)-3-(4-ethoxy-3,5-difluorophenoxy)-3-oxo-1-propenyl ester (9CI)
 MF C22 H22 F2 O6

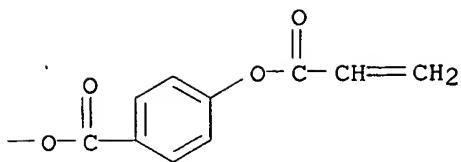
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L11 13 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Benzoic acid, 4-[[4-[(1-oxo-2-propenyl)oxy]benzoyl]oxy]-, 9-oxo-9-[4-[[4-[(1-oxo-2-propenyl)oxy]benzoyl]oxy]phenoxy]nonyl ester (9CI)
 MF C42 H38 O12

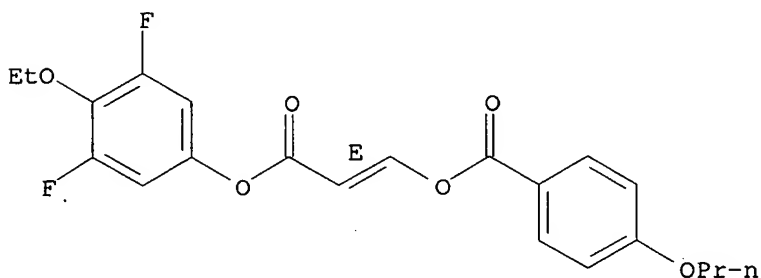




PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L11 13 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Benzoic acid, 4-propoxy-, (1E)-3-(4-ethoxy-3,5-difluorophenoxy)-3-oxo-1-propenyl ester (9CI)
 MF C21 H20 F2 O6

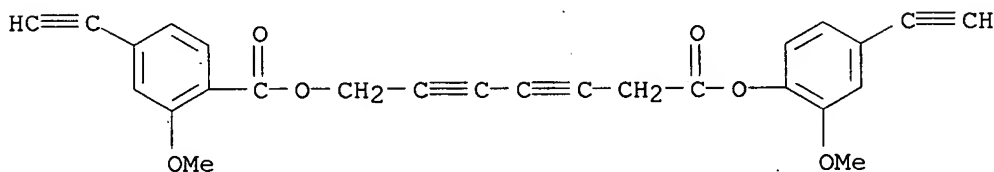
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L11 13 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Benzoic acid, 4-ethynyl-2-methoxy-, 7-(4-ethynyl-2-methoxyphenoxy)-7-oxo-2,4-heptadiynyl ester, homopolymer (9CI)
 MF (C26 H18 O6)x
 CI PMS

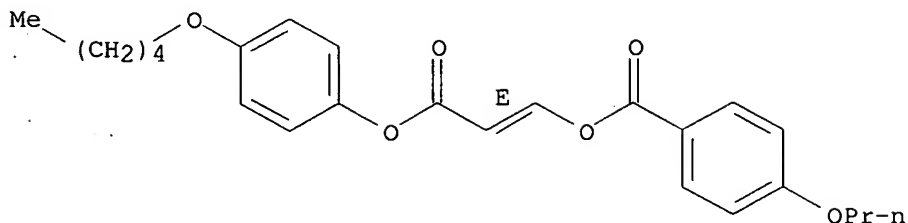
CM 1



L11 13 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Benzoic acid, 4-propoxy-, (1E)-3-oxo-3-[4-(pentyloxy)phenoxy]-1-propenyl

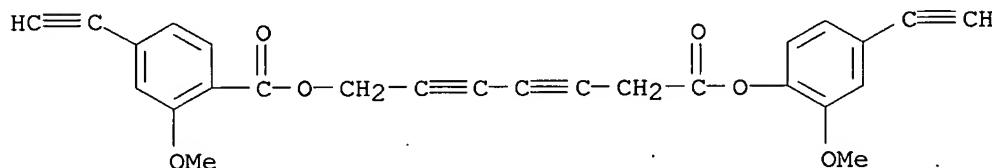
ester (9CI)
MF C24 H28 O6

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L11 13 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Benzoic acid, 4-ethynyl-2-methoxy-, 7-(4-ethynyl-2-methoxyphenoxy)-7-oxo-
2,4-heptadiynyl ester (9CI)
MF C26 H18 O6
CI COM



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> file caplus

COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
148.95	159.02

FILE 'CAPLUS' ENTERED AT 12:22:49 ON 04 JUN 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing

of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 4 Jun 2003 VOL 138 ISS 23
FILE LAST UPDATED: 3 Jun 2003 (20030603/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> l11

L12 4 L11

=> save temp l12 genericcmpds/a

ANSWER SET L12 HAS BEEN SAVED AS 'GENERICCMPDS/A'

=> d l12 1-4 ti fbib abs

L12 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2003 ACS

TI New liquid crystal compound

AN 2000:254137 CAPLUS

DN 132:271780

TI New liquid crystal compound

IN Poetsch, Eike; Binder, Werner; Krause, Joachim; Hirschmann, Harald; Derow,

Stephan

PA Merck Patent Gmbh, Germany

SO Ger. Offen., 28 pp.

CODEN: GWXXBX

DT Patent

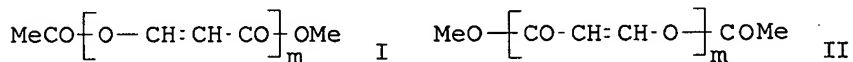
LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	DE 19941567	A1	20000420	DE 1999-19941567	19990901
				DE 1998-19840654	19980905

OS MARPAT 132:271780

GI



AB The invention relates to the new liq. crystal compd. contg. a structural element of I or its mirror image II ($m = 1, 2, 3$). The new liq. crystal compd. can be used as a component of the liq. crystal compn. and for manufg. liq. crystal polymers. The new liq. crystal compd. can be applicable to liq. crystal displays, optical elements, decoration purposes, etc.

L12 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2003 ACS

TI Polymerizable oligomesogenic compounds

AN 1998:353083 CAPLUS

DN 129:47742

TI Polymerizable oligomesogenic compounds

IN Etzbach, Karl-Heinz; Schuhmacher, Peter; Siemensmeyer, Karl

PA BASF A.-G., Germany

SO Ger. Offen., 12 pp.
 CODEN: GWXXBX
 DT Patent
 LA German
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 19649056	A1	19980528	DE 1996-19649056	19961127
	WO 9823580	A1	19980604	WO 1997-EP6289	19971111
	W: AL, AM, AU, AZ, BG, BR, BY, CA, CN, CZ, GE, HU, IL, JP, KG, KR, KZ, LT, LV, MD, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TM, TR, UA, US, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT,				

SE				DE 1996-19649056A	19961127
	AU 9854812	A1	19980622	AU 1998-54812	19971111
				DE 1996-19649056A	19961127
	EP 944577	A1	19990929	WO 1997-EP6289 W	19971111
	R: DE, FR, GB, IT, NL			EP 1997-951170	19971111
				DE 1996-19649056A	19961127
				WO 1997-EP6289 W	19971111
	CN 1245484	A	20000223	CN 1997-181557	19971111
				DE 1996-19649056A	19961127
	JP 2001505879	T2	20010508	JP 1998-524205	19971111
				DE 1996-19649056A	19961127
				WO 1997-EP6289 W	19971111
	KR 2000057240	A	20000915	KR 1999-704610	19990525
				DE 1996-19649056A	19961127
	US 6335462	B1	20020101	US 1999-308634	19990527
				DE 1996-19649056A	19961127
				WO 1997-EP6289 W	19971111

OS MARPAT 129:47742

AB The compds. have the general formula $X[Y_1A_1Y_2MY_3A_2Z]_n$, where X = a Si-free

n-bonded central unit; A₁, A₂ = single bond or spacer; Y₁-3 = single bond, O, S, CO, OCO, COO, OCOO, CON(R), (R)NCO, COS, or SCO; M = mesogenic group; Z = polymerizable group; n = 2-6; R = H or C₁-4 alkyl; and MY₃A₂Z can be a cholesterol residue. The compds. are useful as orientation layers for liq.-crystal materials; photocurable adhesives; monomers for prepn. of liq.-crystal networks; base materials for prepn. of chiral dopable polymerizable liq.-crystal systems; polymerizable matrix monomers for polymer-dispersed displays; base materials for polymerizable liq.-crystal materials for optical devices, e.g. polarizers, cutoff plates, or lenses; or in combination with low-mol.-wt. polymerizable liq.-crystal compds. as film formers.

L12 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2003 ACS

TI Diacetylenic group-containing polyesters with high strength and elasticity

AN 1989:595637 CAPLUS

DN 111:195637

TI Diacetylenic group-containing polyesters with high strength and elasticity

IN Kato, Jinichiro; Nakamura, Katsuyuki

PA Agency of Industrial Sciences and Technology, Japan

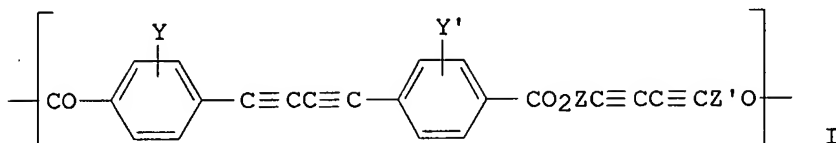
SO Jpn. Kokai Tokkyo Koho, 5 pp.

CODEN: JKXXAF

DT Patent

LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 01074218	A2	19890320	JP 1987-228354	19870914
				JP 1987-228354	19870914
GI					



AB The title polyesters I (Y, Y' = H, halo, alkoxy, C1-6 org. group; Z, Z' = C1-12 divalent org. group), useful for optical materials and elec. conductors, are prepd. Thus, p-(MeO2C)C6H4C.tplbond.CH (II) in pyridine was treated with O in the presence of CuCl to give [p-(MeO2C)C6H4C.tplbond.C]2, and this compd. was hydrolyzed in aq. MeOH in the presence of KOH at 70.degree. and treated with SOCl2 in the presence of DMF to give [p-(ClCO)C6H4C.tplbond.C]2 (III) in 89% yield (based on II). Heating III and HOCH2C.tplbond.CC.tplbond.CCH2OH in PhNO2 at 100.degree. for 7-8 h and at 150.degree. in vacuo for 2 h gave I (Y = Y' = H; Z = Z' = CH2).

L12 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2003 ACS

TI Decomposition of bis(p-methoxybenzoyl) peroxide and the carboxy-inversion product on silica

AN 1985:577840 CAPLUS

DN 103:177840

TI Decomposition of bis(p-methoxybenzoyl) peroxide and the carboxy-inversion product on silica

AU Flowers, G. Craig; Leffler, John E.

CS Dep. Chem., Florida State Univ., Tallahassee, FL, 32306, USA

SO Journal of Organic Chemistry (1985), 50(22), 4406-8

CODEN: JOCEAH; ISSN: 0022-3263

DT Journal

LA English

OS CASREACT 103:177840

AB p-[p-MeOC6H4C(O)OOC(O)]C6H4OMe (I) adsorbed on silica from nonpolar solvents rearranges to the carboxyinversion product, p-anisoyl p-anisyl carbonate. The half life of the peroxide on silica at room temp. is about

2 min. The carboxyinversion product is isolated, but also decomp. if left on the silica, with a half-life of 20 min. The rearrangement and subsequent decompn. of I enriched with 13C in both C:O groups were followed by magic angle 13CNMR. The ultimate products are p-MeOC6H4CO2H, p-MeOC6H4OH, p-(p-MeOC6H4CO2)C6H4OMe, CO2, and small amts. of bianisyl

and

dianisyl carbonate. The bianisyl and a minor part of the CO2 and anisic acid are probably formed more directly from ion or radical pair intermediates, bypassing the carboxyinversion compd.

=> d his

(FILE 'HOME' ENTERED AT 12:11:33 ON 04 JUN 2003)

FILE 'CAPLUS' ENTERED AT 12:11:40 ON 04 JUN 2003

L1 14020 SUPRAMOLECULAR
L2 1439 SALICYL
L3 77758 SALICYL?
L4 60 L1 AND L3
L5 23454 ?DIOIC
L6 0 L4 AND L5
L7 3722 ?DIOATE
L8 0 L4 AND L7

FILE 'REGISTRY' ENTERED AT 12:20:47 ON 04 JUN 2003

L9 STRUCTURE UPLOADED
L10 0 SEARCH L9 SSS SAM
L11 13 SEARCH L9 SSS FULL

FILE 'CAPLUS' ENTERED AT 12:22:49 ON 04 JUN 2003

L12 4 L11
SAVE TEMP L12 GENERICCMPDS/A

=> polyester

223756 POLYESTER
176538 POLYESTERS
L13 277335 POLYESTER
(POLYESTER OR POLYESTERS)

=> 13(1)113

L14 550 L3(L)L13

=> 15 and 114

L15 3 L5 AND L14

=> d 115 1-3 ti

L15 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2003 ACS

TI Synthesis and degradation characteristics of salicylic acid-derived
poly(anhydride-esters)

L15 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2003 ACS

TI Corrosion-inhibiting gel for electrical connectors

L15 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2003 ACS

TI Compositions comprising polyisocyanates and hydroxybenzoic acid-capped
polymers curable with tertiary amines

=> d 115 1-3 ti fbib abs

L15 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2003 ACS

TI Synthesis and degradation characteristics of salicylic acid-derived
poly(anhydride-esters)

AN 2000:488829 CAPLUS

DN 133:300995

TI Synthesis and degradation characteristics of salicylic acid-derived
poly(anhydride-esters)

AU Erdmann, L.; Uhrich, K. E.

CS 610 Taylor Road, Department of Chemistry, Rutgers University, Piscataway,

NJ, 08854-8087, USA
SO Biomaterials (2000), 21(19), 1941-1946
CODEN: BIMADU; ISSN: 0142-9612
PB Elsevier Science Ltd.
DT Journal
LA English

AB A biodegradable poly(anhydride-ester) was synthesized by melt condensation

polymn. of the acetylated monomer to yield a novel polymeric prodrug.

The

polymer we have synthesized is composed of alkyl chains linked by ester bonds to arom. moieties, specifically salicylic acid-the active component of aspirin. With the medicinal properties attributed to salicylic acid and the ease of metab., the incorporation of this compd. into a polymer backbone yields a polymeric prodrug that may have potential in a variety of applications (i.e., inflammatory bowel disease). For these reasons,

we

have designed a synthetic scheme that yields the desired poly(anhydride-ester). The in vitro hydrolytic degrdn. of these polymers has been performed and results indicate that the polymer degrdn. rate is pH-dependent.

RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2003 ACS
TI Corrosion-inhibiting gel for electrical connectors
AN 1975:158621 CAPLUS
DN 82:158621
TI Corrosion-inhibiting gel for electrical connectors
IN Fath, Joseph
PA Tenneco Chemicals, Inc.
SO U.S., 6 pp.
CODEN: USXXAM

DT Patent
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 3833513	A	19740903	US 1972-224308	19720207
				US 1972-224308	19720207

AB A new metal corrosion protection medium for elec. connectors or junction points for outdoor elec. power cables comprises: a base oil formed of a liq. polymeric ester of an alkylene glycol and an aliph. dicarboxylic acid, a gelling agent, and a stabilizer combination including an aromatic amine antioxidant, a hindered phenol antioxidant, a metal corrosion inhibitor, and a rust inhibitor. Thus, a **polyester** base oil was prepd. from 1,2-propylene glycol and adipic acid, capped by isodecanoic acid and mixed in a stabilizer additive mixt. contg.: 1,2-propylene glycol

adipate 81, sorbitan monooleate [1338-43-8] 2, 4,4'-methylenebis(2,6-di-tert-butylphenol) [118-82-1] 1, phenothiazine [92-84-2]
1,phenyl-.alpha.-naphthylamine [90-30-2] 0.5, Ortholeum 300 [55128-92-2] (a mixt. of diphenylamine and 1-**salicylalaminoguanidine** monooleate) 1, propyl gallate [121-79-9] 0.5, benzotriazole [95-14-7]

0.5,

and DMS [55200-27-6] (1-**salicylalaminoguanidine** monocarboxylate)
0.5 parts by wt. The stabilized oil was heated to 180.degree. F and Li 12-hydroxystearate [7620-77-1] (12 parts by wt.) was added. The mixt.

was

blended in a mixer, heated to 380-400.degree.F (m.p. of the soap), and suddenly cooled and gelled by pouring in chilled metal trays.

L15 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2003 ACS

TI Compositions comprising polyisocyanates and hydroxybenzoic acid-capped polymers curable with tertiary amines

AN 1974:571500 CAPLUS

DN 81:171500

TI Compositions comprising polyisocyanates and hydroxybenzoic acid-capped polymers curable with tertiary amines

IN Taft, David D.; Schmidt, Roger A.

PA Ashland Oil, Inc.

SO U.S., 8 pp.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 3836491	A	19740917	US 1973-328161	19730131
				US 1971-109985	19710126

AB Hydroxyl-terminated **polyesters** were end-capped with hydroxybenzoic acid derivs., i.e. Me **salicylate** (I) [119-36-8] to form coatings curable at room temp. by polyisocyanates. Thus, an adipic acid-trimethylolpropane **polyester** [28301-90-8] was prepd. and end-capped with I. After removal of all MeOH and excess I, the hydroxybenzoate-capped product was mixed with Mondur HC [9081-93-0] to give a product which remained viscosity-stable in N for 24 hr. A film of this material on a glass panel was hard to the touch and could not be rubbed off or smeared 15 sec. after exposure to an atm. saturated with triethylamine vapor; 15 min. later the Sward hardness was 18. A similar film on cold rolled steel had a 3H pencil hardness and passed 3T flexibility test after 2.5 days.

=> file reg

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
23.29	182.31

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-4.56	-4.56

CA SUBSCRIBER PRICE

FILE 'REGISTRY' ENTERED AT 12:28:08 ON 04 JUN 2003

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2003 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 3 JUN 2003 HIGHEST RN 524916-37-8

DICTIONARY FILE UPDATES: 3 JUN 2003 HIGHEST RN 524916-37-8

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> e 2,5-dihydroxybenzoic acid/cn

E1	1	2,5-DIHYDROXYBENZOHYDRAZIDE/CN
E2	1	2,5-DIHYDROXYBENZOHYDROXAMIC ACID/CN
E3	1 -->	2,5-DIHYDROXYBENZOIC ACID/CN
E4	1	2,5-DIHYDROXYBENZOIC ACID 5-.BETA.-D-GLUCOSIDE/CN
E5	1	2,5-DIHYDROXYBENZOIC ACID BUTYL ESTER/CN
E6	1	2,5-DIHYDROXYBENZOIC ACID DIACETATE/CN
E7	1	2,5-DIHYDROXYBENZOIC ACID DIPIVALATE/CN
E8	1	2,5-DIHYDROXYBENZOIC ACID DIPROPIONATE/CN
E9	1	2,5-DIHYDROXYBENZOIC ACID HYDRAZIDE/CN
E10	1	2,5-DIHYDROXYBENZOIC ACID METHYL ESTER/CN
E11	1	2,5-DIHYDROXYBENZOIC ACID RADICAL ANION/CN
E12	1	2,5-DIHYDROXYBENZOIC ACID RADICAL CATION/CN

=> e3

L16 1 "2,5-DIHYDROXYBENZOIC ACID"/CN

=> d 116

L16 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS

RN 490-79-9 REGISTRY

CN Benzoic acid, 2,5-dihydroxy- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Gentisic acid (8CI)

OTHER NAMES:

CN 2,5-Dihydroxybenzoic acid

CN 2,5-Dioxybenzoic acid

CN 3,6-Dihydroxybenzoic acid

CN 5-Hydroxysalicylic acid

CN Carboxyhydroquinone

CN Gensigen

CN Gensigon

CN Gentisinic acid

CN Hydroquinonecarboxylic acid

FS 3D CONCORD

MF C7 H6 O4

CI COM

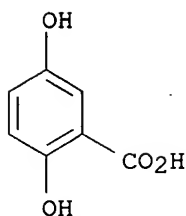
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS,

BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DRUGU, EMBASE, HODOC*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PROMT, RTECS*, SPECINFO, TOXCENTER, ULIDAT, USAN, USPATFULL, VETU

(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**, WHO

(**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2422 REFERENCES IN FILE CA (1957 TO DATE)
 57 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 2429 REFERENCES IN FILE CAPLUS (1957 TO DATE)
 12 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> e 2,3-dihydroxybenzoic acid/cn

E1	1	2,3-DIHYDROXYBENZOHYDROXAMIC ACID/CN
E2	1	2,3-DIHYDROXYBENZOHYDROXIMIC ACID/CN
E3	1 -->	2,3-DIHYDROXYBENZOIC ACID/CN
E4	1	2,3-DIHYDROXYBENZOIC ACID .BETA.-HYDROXYETHYLAMIDE/CN
E5	1	2,3-DIHYDROXYBENZOIC ACID DECARBOXYLASE/CN
E6	1	2,3-DIHYDROXYBENZOIC ACID DIACETATE/CN
E7	1	2,3-DIHYDROXYBENZOIC ACID METHYL ESTER/CN
E8	1	2,3-DIHYDROXYBENZOIC ACID POTASSIUM SALT/CN
E9	1	2,3-DIHYDROXYBENZOIC ACID-FORMALDEHYDE-1-NAPHTHOL
COPOLYMER/		
		CN
E10	1	2,3-DIHYDROXYBENZOIC OXYGENASE/CN
E11	1	2,3-DIHYDROXYBENZONITRILE/CN
E12	1	2,3-DIHYDROXYBENZOPHENONE/CN

=> e3

L17 1 "2,3-DIHYDROXYBENZOIC ACID"/CN

=> d 117

L17 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS

RN 303-38-8 REGISTRY

CN Benzoic acid, 2,3-dihydroxy- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN o-Pyrocatechuic acid (6CI, 8CI)

OTHER NAMES:

CN **2,3-Dihydroxybenzoic acid**

CN 3-Hydroxysalicylic acid

CN Catecholcarboxylic acid

CN DHBA

CN Pyrocatechuic acid

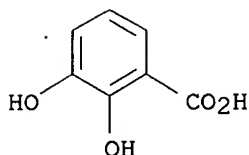
FS 3D CONCORD

MF C7 H6 O4

CI COM

LC STN.Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMLIST, CSCHEM, DDFU, DETHERM*, DRUGU, EMBASE, GMELIN*, HODOC*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MSDS-OHS, NAPRALERT, NIOSHTIC, PIRA, PROMT, RTECS*, SPECINFO, TOXCENTER, USPAT2, USPATFULL

(*File contains numerically searchable property data)
Other Sources: EINECS**
(**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1034 REFERENCES IN FILE CA (1957 TO DATE)
39 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1038 REFERENCES IN FILE CAPLUS (1957 TO DATE)
56 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> file caplus		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	12.60	194.91
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-4.56

FILE 'CAPLUS' ENTERED AT 12:29:34 ON 04 JUN 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 4 Jun 2003 VOL 138 ISS 23
FILE LAST UPDATED: 3 Jun 2003 (20030603/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> 116
L18 2435 L16

=> 117
L19 1043 L17

=> l18 or l19

L20 3056 L18 OR L19

=> save temp l20 diohacids/a

ANSWER SET L20 HAS BEEN SAVED AS 'DIOHACIDS/A'

=> d his

(FILE 'HOME' ENTERED AT 12:11:33 ON 04 JUN 2003)

FILE 'CAPLUS' ENTERED AT 12:11:40 ON 04 JUN 2003

L1 14020 SUPRAMOLECULAR

L2 1439 SALICYL

L3 77758 SALICYL?

L4 60 L1 AND L3

L5 23454 ?DIOIC

L6 0 L4 AND L5

L7 3722 ?DIOATE

L8 0 L4 AND L7

FILE 'REGISTRY' ENTERED AT 12:20:47 ON 04 JUN 2003

L9 STRUCTURE UPLOADED

L10 0 SEARCH L9 SSS SAM

L11 13 SEARCH L9 SSS FULL

FILE 'CAPLUS' ENTERED AT 12:22:49 ON 04 JUN 2003

L12 4 L11

SAVE TEMP L12 GENERICCMPDS/A

L13 277335 POLYESTER

L14 550 L3(L)L13

L15 3 L5 AND L14

FILE 'REGISTRY' ENTERED AT 12:28:08 ON 04 JUN 2003

E 2,5-DIHYDROXYBENZOIC ACID/CN

L16 1 E3

E 2,3-DIHYDROXYBENZOIC ACID/CN

L17 1 E3

FILE 'CAPLUS' ENTERED AT 12:29:34 ON 04 JUN 2003

L18 2435 L16

L19 1043 L17

L20 3056 L18 OR L19

SAVE TEMP L20 DIOHACIDS/A

=> l13 and l20

L21 22 L13 AND L20

=>

Uploading 10031950 dioic acids.str

L22 STRUCTURE UPLOADED

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

2.92

197.83

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

CA SUBSCRIBER PRICE

ENTRY SESSION
0.00 -4.56

FILE 'REGISTRY' ENTERED AT 12:33:37 ON 04 JUN 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2003 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 3 JUN 2003 HIGHEST RN 524916-37-8
DICTIONARY FILE UPDATES: 3 JUN 2003 HIGHEST RN 524916-37-8

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP
PROPERTIES for more information. See STN Note 27, Searching Properties
in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>

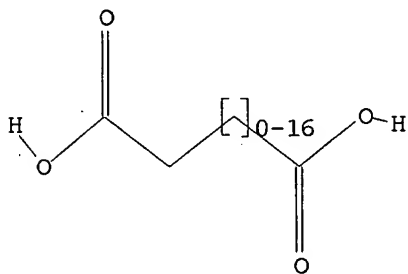
Uploading 10031950 dioic acids.str

L23 STRUCTURE UPLOADED

=> d 123

L23 HAS NO ANSWERS

L23 STR



Structure attributes must be viewed using STN Express query preparation.

=> search 123 sss sam

SAMPLE SEARCH INITIATED 12:34:11 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 21245 TO ITERATE

4.7% PROCESSED 1000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

50 ANSWERS

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**

BATCH **COMPLETE**
PROJECTED ITERATIONS: 416192 TO 433608
PROJECTED ANSWERS: 144801 TO 155177

L24 50 SEA SSS SAM L23

=> search 123 sss full
FULL SEARCH INITIATED 12:34:25 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 423432 TO ITERATE

94.5% PROCESSED 400000 ITERATIONS 128497 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.15

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 423432 TO 423432
PROJECTED ANSWERS: 134920 TO 137128

L25 128497 SEA SSS FUL L23

=> file caplus		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	148.55	346.38
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-4.56

FILE 'CAPLUS' ENTERED AT 12:34:46 ON 04 JUN 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 4 Jun 2003 VOL 138 ISS 23
FILE LAST UPDATED: 3 Jun 2003 (20030603/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> l25
L26 91631 L25

=> save temp l26 dioicacids/a
ANSWER SET L26 HAS BEEN SAVED AS 'DIOICACIDS/A'

=> d his

(FILE 'HOME' ENTERED AT 12:11:33 ON 04 JUN 2003)

FILE 'CAPLUS' ENTERED AT 12:11:40 ON 04 JUN 2003

L1 14020 SUPRAMOLECULAR
L2 1439 SALICYL
L3 77758 SALICYL?
L4 60 L1 AND L3
L5 23454 ?DIOIC
L6 0 L4 AND L5
L7 3722 ?DIOATE
L8 0 L4 AND L7

FILE 'REGISTRY' ENTERED AT 12:20:47 ON 04 JUN 2003

L9 STRUCTURE UPLOADED
L10 0 SEARCH L9 SSS SAM
L11 13 SEARCH L9 SSS FULL

FILE 'CAPLUS' ENTERED AT 12:22:49 ON 04 JUN 2003

L12 4 L11
SAVE TEMP L12 GENERICCMPDS/A
L13 277335 POLYESTER
L14 550 L3(L)L13
L15 3 L5 AND L14

FILE 'REGISTRY' ENTERED AT 12:28:08 ON 04 JUN 2003

E 2,5-DIHYDROXYBENZOIC ACID/CN
L16 1 E3
E 2,3-DIHYDROXYBENZOIC ACID/CN
L17 1 E3

FILE 'CAPLUS' ENTERED AT 12:29:34 ON 04 JUN 2003

L18 2435 L16
L19 1043 L17
L20 3056 L18 OR L19
SAVE TEMP L20 DIOHACIDS/A
L21 22 L13 AND L20
L22 STRUCTURE UPLOADED

FILE 'REGISTRY' ENTERED AT 12:33:37 ON 04 JUN 2003

L23 STRUCTURE UPLOADED
L24 50 SEARCH L23 SSS SAM
L25 128497 SEARCH L23 SSS FULL

FILE 'CAPLUS' ENTERED AT 12:34:46 ON 04 JUN 2003

L26 91631 L25
SAVE TEMP L26 DIOICACIDS/A

=> 120 and 126

L27 66 L20 AND L26

=> 120(1)126

L28 0 L20(L)L26

=> d 127 44-66 ti

L27 ANSWER 44 OF 66 CAPLUS COPYRIGHT 2003 ACS

TI Initial reactions of xanthone biodegradation by an Arthrobacter sp

L27 ANSWER 45 OF 66 CAPLUS COPYRIGHT 2003 ACS
TI Technetium-99m composition for labeling proteinaceous material

L27 ANSWER 46 OF 66 CAPLUS COPYRIGHT 2003 ACS
TI Glutathione-independent isomerization of maleylpyruvate by *Bacillus megaterium* and other Gram-positive bacteria

L27 ANSWER 47 OF 66 CAPLUS COPYRIGHT 2003 ACS
TI Identification of metabolites diagnostic for organic acidurias by simultaneous dual-column capillary gas chromatography

L27 ANSWER 48 OF 66 CAPLUS COPYRIGHT 2003 ACS
TI Lyophilized radiographic imaging kit

L27 ANSWER 49 OF 66 CAPLUS COPYRIGHT 2003 ACS
TI Radiodiagnostic imaging agents

L27 ANSWER 50 OF 66 CAPLUS COPYRIGHT 2003 ACS
TI The metabolism of 3-cyclohexenecarboxylic acid by *Alcaligenes faecalis*

L27 ANSWER 51 OF 66 CAPLUS COPYRIGHT 2003 ACS
TI Benzylidene camphors and cosmetic compositions containing them

L27 ANSWER 52 OF 66 CAPLUS COPYRIGHT 2003 ACS
TI Separation of plant polyphenolics by chromatography on a boronate resin

L27 ANSWER 53 OF 66 CAPLUS COPYRIGHT 2003 ACS
TI Investigation of the oxidative browning of white wine. 1. HPLC separation of preparatively obtained wine phenols

L27 ANSWER 54 OF 66 CAPLUS COPYRIGHT 2003 ACS
TI Degradation of coniferyl alcohol and other lignin-related aromatic compounds by *Nocardia* sp. DSM 1069

L27 ANSWER 55 OF 66 CAPLUS COPYRIGHT 2003 ACS
TI Benzylidene camphors

L27 ANSWER 56 OF 66 CAPLUS COPYRIGHT 2003 ACS
TI Iron acquisition by *Neisseria meningitidis* in vitro

L27 ANSWER 57 OF 66 CAPLUS COPYRIGHT 2003 ACS
TI Catabolism of gentisic acid by two strains of *Bacillus stearothermophilus*

L27 ANSWER 58 OF 66 CAPLUS COPYRIGHT 2003 ACS
TI Catabolism of 2-hydroxybenzoate by *Bacillus* species

L27 ANSWER 59 OF 66 CAPLUS COPYRIGHT 2003 ACS
TI The identification of aliphatic acids by thermal reaction analysis

L27 ANSWER 60 OF 66 CAPLUS COPYRIGHT 2003 ACS
TI Benzyldenecamphor compounds useful in cosmetic compositions

L27 ANSWER 61 OF 66 CAPLUS COPYRIGHT 2003 ACS
TI Formation and reactivity of the amino radical

L27 ANSWER 62 OF 66 CAPLUS COPYRIGHT 2003 ACS
TI Vincamine and apovincamine derivatives

L27 ANSWER 63 OF 66 CAPLUS COPYRIGHT 2003 ACS
 TI New mode of ring cleavage of 2,3-dihydroxybenzoic acid in Tecoma stans.
 Partial purification and properties of 2,3-dihydroxybenzoate
 2,3-oxygenase

L27 ANSWER 64 OF 66 CAPLUS COPYRIGHT 2003 ACS
 TI Purification and properties of gentisate 1,2-dioxygenase from Moraxella
 osloensis

L27 ANSWER 65 OF 66 CAPLUS COPYRIGHT 2003 ACS
 TI Stable vitamins- and antibiotics-containing preparations for poultry and
 cattle breeding

L27 ANSWER 66 OF 66 CAPLUS COPYRIGHT 2003 ACS
 TI Isolation of fumarylpyruvic acid as an intermediate product of the
 oxidation of gentisic acid by Pseudomonas ovalis

=> 113 and 127

L29 2 L13 AND L27

=> d 129 1-2 ti

L29 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS
 TI Therapeutic **polyesters** and polyamides

L29 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS
 TI Ink-jet transparency

=> d 129 ti fbib abs

L29 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS
 TI Therapeutic **polyesters** and polyamides
 AN 2002:107167 CAPLUS
 DN 136:156464
 TI Therapeutic **polyesters** and polyamides
 IN Uhrich, Kathryn E.
 PA Rutgers, the State University of New Jersey, USA
 SO PCT Int. Appl., 51 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002009768	A2	20020207	WO 2001-US23747	20010727
	WO 2002009768	A3	20021107		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
				US 2000-220707PP	20000727
				US 2001-261337PP	20010112

AB Polymers (i.e. **polyesters**, polyamides, and polythioesters or a mixt. thereof) which degrade hydrolytically into biol. active compds. are provided. Methods of producing these polymers, intermediates useful for prepg. these polymers, and methods of using these polymers to deliver biol. active compds. to a host are also provided. The biol. active compd. is a non-steroidal anti-inflammatory drug, antibacterial, antifungal, anticancer, antithrombotic, immunosuppressant, or analgesic. For example, morphine was copolymd. with a diacid chloride to provide a **polyester**.

=> logoff hold		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	14.61	360.99
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-0.65	-5.21

Connecting via Winsock to STN

LOGINID:ssspta1623paz

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *

SESSION RESUMED IN FILE 'CAPLUS' AT 13:10:56 ON 04 JUN 2003

FILE 'CAPLUS' ENTERED AT 13:10:56 ON 04 JUN 2003

COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	14.61	360.99
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.65	-5.21

=> d 129 1 it

L29 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS

IT Polymers, biological studies

RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(conjugates with drugs; prepn. of drug-contg. polyamides, **polyesters** and polythioesters as prodrugs)

IT Polymer degradation

(hydrolytic; prepn. of drug-contg. polyamides, **polyesters** and polythioesters as prodrugs)

IT Anti-inflammatory agents

(nonsteroidal; prepn. of drug-contg. polyamides, **polyesters** and polythioesters as prodrugs)

IT Analgesics

Antibacterial agents

Anticoagulants

Antitumor agents

Fungicides

Immunosuppressants

(prepn. of drug-contg. polyamides, **polyesters** and polythioesters as prodrugs)

IT Drug delivery systems

(prodrugs; prepn. of drug-contg. polyamides, **polyesters** and polythioesters as prodrugs)

IT 51-61-6, Dopamine, biological studies 57-27-2, Morphine, biological studies 59-05-2, Methotrexate 89-57-6, 5-Aminosalicylic acid 20830-81-3, Daunorubicin 23214-92-8, Doxorubicin 24280-93-1, Mycophenolic acid 65589-70-0, Acriflavine

RL: RCT (Reactant); THU (Therapeutic use); BIOL (Biological study); RACT (Reactant or reagent); USES (Uses)

(prepn. of drug-contg. polyamides, **polyesters** and polythioesters as prodrugs)

IT 51-61-6DP, Dopamine, polymers with diacid chlorides 57-27-2DP, Morphine,

polymers with diacid chlorides 59-05-2DP, Methotrexate, polymers with diacid chlorides 89-57-6DP, 5-Aminosalicylic acid, polymers with diacid chlorides 20830-81-3DP, Daunorubicin, polymers with diacid chlorides 22803-06-1DP, 2,7-Anthracenediamine, polymers with diacid chlorides 23214-92-8DP, Doxorubicin, polymers with diacid chlorides 24280-93-1DP, Mycophenolic acid, polymers with diacid chlorides

RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of drug-contg. polyamides, **polyesters** and polythioesters as prodrugs)

IT 50-07-7, Mitomycin C 50-44-2, 6-Mercaptopurine 50-91-9, Floxuridine 53-79-2, Puromycin 56-75-7, Chloramphenicol 57-22-7, Vincristine 57-62-5, Chlortetracycline 57-92-1, Streptomycin, biological studies 59-01-8, Kanamycin 60-54-8, Tetracycline 61-24-5, Cephalosporin C 61-68-7, Mefenamic acid 66-76-2, Dicoumarol 69-33-0, Tubercidin 69-53-4, Ampicillin 69-72-7, Salicylic acid, biological studies 76-41-5, Oxymorphone 79-57-2, Oxytetracycline 80-02-4 80-03-5, Acediasulfone 80-08-0, Dapsone 80-80-8, Acetosulfone 87-21-8, Piridocaine 87-28-5, Glycol salicylate 89-38-3, Pteropterin 90-01-7,

Salicyl alcohol 103-12-8, Sulfamidochrysoidine 104-29-0,

Chlorphenesin

113-73-5, Gramacidin S 114-07-8, Erythromycin 115-02-6, Azaserine

119-59-5, 4,4'-Sulfinyldianiline 121-57-3, Sulfanilic acid 127-33-3,
 Demeclocycline 128-46-1, Dihydrostreptomycin 133-65-3, Solasulfone
 144-76-3, Sulfoxone 147-94-4, Cytarabine 148-82-3, Melphalan
 154-21-2, Lincomycin 154-42-7, Thioguanine 157-03-9,
 6-Diazo-5-oxo-L-norleucine 320-67-2, Azacitidine 473-30-3,
 Thiazolsulfone 485-41-6, Sulfachrysoidine 488-41-5, Mitobronitol
490-79-9, Gentisic acid 490-98-2, Hydroxytetracaine 493-75-4,
 Bialamicol 525-94-0, Penicillin N 530-78-9, Flufenamic acid
 536-25-4, Orthocaine 548-00-5, Ethyl biscoumacetate 552-94-3,
 Salsalate 554-18-7, Glucosulfone 564-25-0, Doxycycline 576-68-1,
 Mannomustine 589-44-6, 3-Amino-4-hydroxybutyric acid 599-79-1,
 Sulfasalazine 644-62-2, Meclofenamic acid 657-24-9, Metformin
 671-16-9, Procarbazine 738-70-5, Trimethoprim 751-97-3,
 Rolitetracycline 808-26-4, Sancycline 865-21-4, Vinblastine
 914-00-1, Methacycline 992-21-2, Lymecycline 1066-17-7, Colistin
 1110-80-1, Pipacycline 1181-54-0, Clomocycline 1392-21-8, Leucomycin
 1393-48-2, Thiostrepton 1397-89-3, Amphotericin B 1400-61-9, Nystatin
 1403-17-4, Candicidin 1403-66-3, Gentamicin 1404-00-8, Mitomycin
 1404-04-2, Neomycin 1404-15-5, Nogalamycin 1404-19-9, Oligomycin
 1404-55-3, Ristocetin 1404-90-6, Vancomycin 1405-87-4, Bacitracin
 1405-97-6, Gramicidin 1406-11-7, Polymyxin 1508-45-8 1596-63-0,
 Quinacillin 1695-77-8, Spectinomycin 1821-16-5 2013-58-3,
 Meclocycline 2090-89-3, Butethamine 2188-67-2, Naepaine 2315-08-4,
 Salazosulfadimidine 2316-64-5, Bromosaligenin 2750-76-7, Rifamide
 3094-09-5, Doxifluridine 3485-14-1, Cyclacillin 3511-16-8, Hetacillin
 3577-01-3, Cephaloglycin 3583-64-0, Bumadizon 3922-90-5, Oleandomycin
 3930-19-6, Streptonigrin 4291-63-8, Cladribine 4366-18-1, Coumetarol
 4393-19-5, p-Sulfanilylbenzylamine 4394-00-7, Niflumic acid
 4564-87-8,
 Carbomycin 4697-36-3, Carbenicillin 4803-27-4, Anthramycin
 5581-52-2, Thiamiprine 5934-14-5, Succisulfone 5964-62-5,
 Diathymosulfone 6202-21-7, 4-Sulfanilamidosalicylic acid 6834-98-6,
 Fungichromin 6998-60-3, Rifamycin SV 7681-93-8, Natamycin
 8025-81-8,
 Spiramycin 10118-90-8, Minocycline 10318-26-0, Mitolactol
 11003-38-6, Capreomycin 11006-70-5, Olivomycin 11015-37-5,
 Bambermycin
 11056-06-7, Bleomycin 11075-36-8, Tuberactinomycin 11078-21-0,
 Filipin
 11120-15-3, Dermostatin 11121-32-7, Mepartricin 12650-69-0, Mupirocin
 12772-35-9, Butirosin 13058-67-8, Lucensomycin 13292-46-1, Rifampin
 13665-88-8, Mopidamol 13710-19-5, Tolfenamic acid 13838-08-9,
 Azidamfenicol 14376-16-0 15307-86-5, Diclofenac 15318-45-3,
 Thiamphenicol 15599-51-6, Apicycline 15686-71-2, Cephalixin
 15722-48-2, Olsalazine 16545-11-2, Guamecycline 16846-24-5, Josamycin
 18323-44-9, Clindamycin 18378-89-7, Plicamycin 18471-20-0, Ditazol
 18559-94-9, Albuterol 18883-66-4, Streptozocin 20594-83-6, Nalbuphine
 21679-14-1, Fludarabine 22006-84-4, Denopterin 22494-42-4, Diflunisal
 22619-35-8, Tioclomarol 23049-93-6, Enfenamic acid 23249-97-0,
 Procodazole 25546-65-0, Ribostamycin 26774-90-3, Epicillin
 26787-78-0, Amoxicillin 29069-24-7, Prednimustine 29767-20-2,
 Teniposide 29908-03-0 30516-87-1, Zidovudine 30544-47-9,
 Etofenamate
 31698-14-3, Ancitabine 32385-11-8, Sisomicin 32986-56-4, Tobramycin
 33069-62-4, Paclitaxel 33103-22-9, Enviomycin 33419-42-0, Etoposide
 33996-33-7, Oxaceprol 34444-01-4, Cefamandole 34493-98-6, Dibekacin
 34616-39-2, Fenalcomine 34787-01-4, Ticarcillin 35457-80-8,
 Midecamycin 35834-26-5 36981-91-6, Fepradinol 37321-09-8, Apramycin
 37517-28-5, Amikacin 38821-53-3, Cephadrine 39718-89-3, Alminoprofen

41340-25-4, Etodolac 41575-94-4, Carboplatin 42408-82-2, Butorphanol
 50370-12-2, Cefadroxil 50935-04-1, Carubicin 51025-85-5, Arbekacin
 51333-22-3, Budesonide 51384-51-1, Metoprolol 51579-82-9, Amfenac
 51627-14-6, Cefatrizine 51762-05-1, Cefroxadine 51940-44-4, Pipemidic
 acid 52093-21-7, Micronomicin 52128-35-5, Trimetrexate 52443-21-7,
 Glucametacin 52485-79-7, Buprenorphine 53123-88-9, Sirolimus
 53597-27-6, Fendosal 53643-48-4, Vindesine 53714-56-0, Leuprolide
 53716-49-7, Carprofen 53808-87-0, Tetroxoprim 53910-25-1, Pentostatin
 53994-73-3, Cefaclor 54083-22-6, Zorubicin 54749-90-5, Chlorozotocin
 55726-47-1, Enocitabine 56391-56-1, Netilmicin 56420-45-2, Epirubicin
 56518-41-3, Brodimoprim 56824-20-5, Amiprilose 58152-03-7, Isepamicin
 58337-35-2, Elliptinium 58957-92-9, Idarubicin 58970-76-6, Ubenimex
 58994-96-0, Ranimustine 59277-89-3, Acyclovir 60925-61-3, Ceforanide
 61036-62-2, Teicoplanin 61270-58-4, Cefonicid 61379-65-5, Rifapentine
 61622-34-2, Cefotiam 62013-04-1, Dirithromycin 62327-61-1, Perimycin

A

62571-86-2, Captopril 62893-19-0, Cefoperazone 63358-49-6,
 Aspoxicillin 63469-19-2, Apalcillin 63527-52-6, Cefotaxime
 64221-86-9, Imipenem 64952-97-2, Moxalactam 65002-17-7, Bucillamine
 65052-63-3, Cefetamet 65085-01-0, Cefmenoxime 65271-80-9,

Mitoxantrone

66148-78-5, Temocillin 66357-35-5, Ranitidine
 RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (prepn. of drug-contg. polyamides, **polyesters** and
 polythioesters as prodrugs)

IT

66376-36-1, Alendronate 66676-88-8, Aclacinomycin 68247-85-8,
 Peplomycin 69712-56-7, Cefotetan 69739-16-8, Cefodizime 70052-12-9,
 Eflornithine 70458-96-7, Norfloxacin 70797-11-4, Cefpiramide
 71426-83-0, Fortimicin 71486-22-1, Vinorelbine 71628-96-1, Menogaril
 72496-41-4, Pirarubicin 72558-82-8, Ceftazidime 72732-56-0,

Piritrexim

73384-59-5, Ceftriaxone 74011-58-8, Enoxacin 74014-51-0, Rokitamycin
 74863-84-6, Argatroban 74913-06-7, Chromomycin 75607-67-9,

Fludarabine

phosphate 75847-73-3, Enalapril 76547-98-3, Lisinopril 76610-84-9,
 Cefbuperazone 76824-35-6, Famotidine 76963-41-2, Nizatidine
 78110-38-0, Aztreonam 78113-36-7, Romurtide 78919-13-8, Iloprost
 79217-60-0, Cyclosporin 79350-37-1, Cefixime 80214-83-1,

Roxithromycin

80576-83-6, Edatrexate 80621-81-4, Rifaximin 81093-37-0,
 Pravastatin 81103-11-9, Clarithromycin 82009-34-5, Cilastatin
 82219-78-1, Cefuzonam 82547-58-8, Cefteram 83905-01-5, Azithromycin
 84305-41-9, Cefminox 84420-34-8, Paromomycin 84845-57-8, Ritipenem
 84880-03-5, Cefpimizole 84957-29-9, Cefpirome 85441-61-8, Quinapril
 85721-33-1, Ciprofloxacin 86541-75-5, Benazepril 87638-04-8,

Carumonam

87726-17-8, Panipenem 88040-23-7, Cefepime 88669-04-9, Trospectomycin
 89365-50-4, Salmeterol 89796-99-6, Aceclofenac 91714-94-2, Bromfenac
 91832-40-5, Cefdinir 92665-29-7, Cefprozil 93957-54-1, Fluvastatin
 95058-81-4, Gemcitabine 96036-03-2, Meropenem 97519-39-6, Ceftibuten
 98079-51-7, Lomefloxacin 98629-43-7, Gusperimus 99665-00-6, Flomoxef
 100490-36-6, Tosufloxacin 102507-71-1, Tigemonam 104145-95-1,
 Cefditoren 104987-11-3, Tacrolimus 105239-91-6, Cefclidin
 105956-97-6, Clinafloxacin 106486-76-4, Carzinophillin A 108319-06-8,
 Temafloxacin 108945-35-3, Taprostene 110871-86-8, Sparfloxacin
112887-68-0 113359-04-9, Cefozopran 113441-12-6, Primycin
 114977-28-5, Docetaxel 119914-60-2, Grepafloxacin 120410-24-4,
 Biapenem 123948-87-8, Topotecan 124858-35-1, Nadifloxacin
 127045-41-4, Pazufloxacin 134523-00-5, Atorvastatin 134678-17-4,

Lamivudine 144412-49-7, Lamifiban 144494-65-5, Tirofiban
147059-72-1, Trovafloxacin 150378-17-9, Indinavir 154361-50-9,
Capecitabine

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(prepn. of drug-contg. polyamides, **polyesters** and
polythioesters as prodrugs)

=> 80576-83-6

REGISTRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

L31 130 L30

=> display hitstr

ENTER (L31), L# OR ?:131

ENTER ANSWER NUMBER OR RANGE (1):1-5

L31 ANSWER 1 OF 130 CAPLUS COPYRIGHT 2003 ACS

IT INDEXING IN PROGRESS

IT **80576-83-6**, Edatrexate

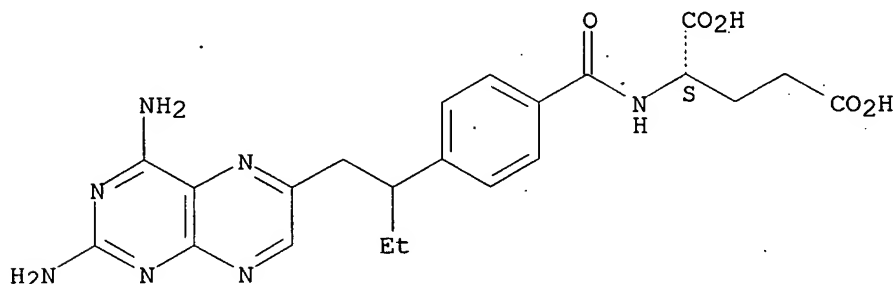
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(co-therapy with; enzymic nucleic acid treatment of diseases or
conditions related to levels of epidermal growth factor receptors)

RN 80576-83-6 CAPLUS

CN L-Glutamic acid,

N-[4-[1-[(2,4-diamino-6-pteridiny)methyl]propyl]benzoyl]-
(9CI) (CA INDEX NAME)

Absolute stereochemistry.



L31 ANSWER 2 OF 130 CAPLUS COPYRIGHT 2003 ACS

IT **80576-83-6**, Edatrexate

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(co-therapy with; enzymic nucleic acid treatment of diseases or
conditions related to levels of epidermal growth factor receptors)

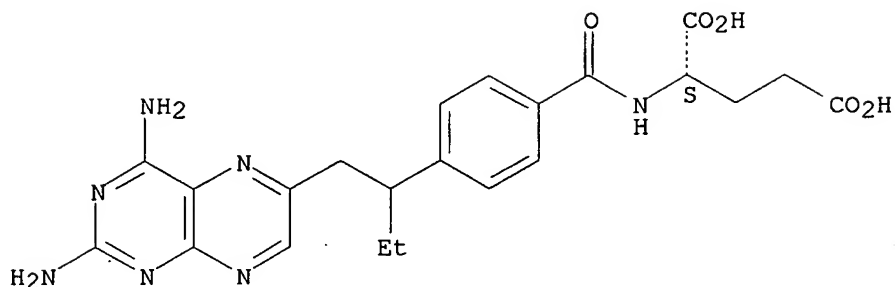
RN 80576-83-6 CAPLUS

CN L-Glutamic acid,

N-[4-[1-[(2,4-diamino-6-pteridiny)methyl]propyl]benzoyl]-

(9CI) (CA INDEX NAME)

Absolute stereochemistry.



L31 ANSWER 3 OF 130 CAPLUS COPYRIGHT 2003 ACS

IT **80576-83-6**, 10-Ethyl-10-deazaaminopterin

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(methods and comps. to det. chemosensitizing dose of suramin used in combination therapy)

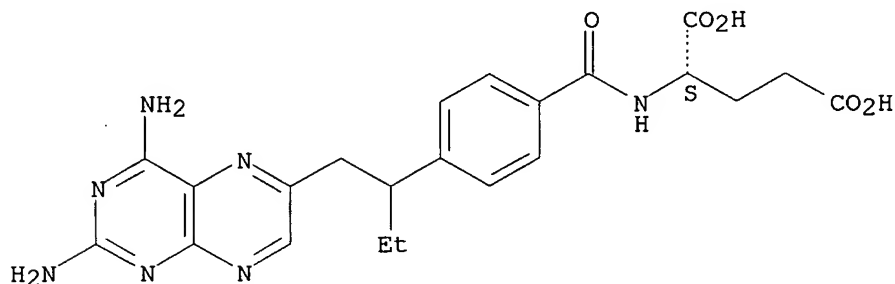
RN 80576-83-6 CAPLUS

CN L-Glutamic acid,

N-[4-[1-[(2,4-diamino-6-pteridinyl)methyl]propyl]benzoyl]-

(9CI) (CA INDEX NAME)

Absolute stereochemistry.



L31 ANSWER 4 OF 130 CAPLUS COPYRIGHT 2003 ACS

IT **80576-83-6**, Edatrexate

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(enzymic nucleic acid treatment of diseases or conditions related to levels of epidermal growth factor receptors)

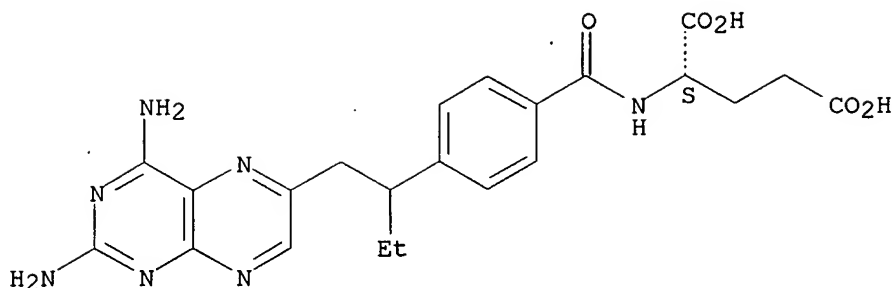
RN 80576-83-6 CAPLUS

CN L-Glutamic acid,

N-[4-[1-[(2,4-diamino-6-pteridinyl)methyl]propyl]benzoyl]-

(9CI) (CA INDEX NAME)

Absolute stereochemistry.



L31 ANSWER 5 OF 130 CAPLUS COPYRIGHT 2003 ACS

IT 80576-83-6, Edatrexate

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL
(Biological study); USES (Uses)

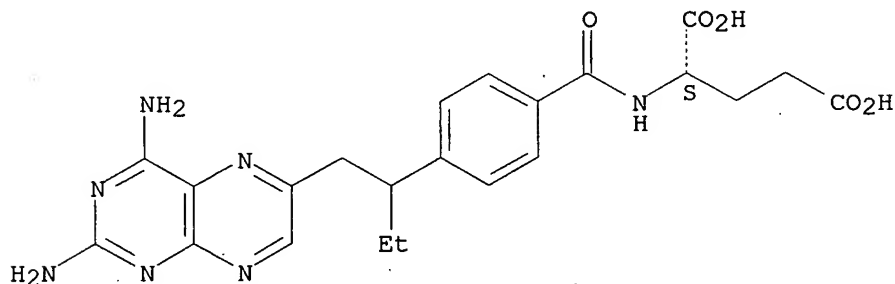
(anti-Fas monoclonal antibodies and anti-inflammatory agents in the
treatment and prevention of bone erosion from osteoclasts)

RN 80576-83-6 CAPLUS

CN L-Glutamic acid,

N-[4-[1-[(2,4-diamino-6-pteridiny)methyl]propyl]benzoyl]-
(9CI) (CA INDEX NAME)

Absolute stereochemistry.



=> logoff hold

COST IN U.S. DOLLARS

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

CA SUBSCRIBER PRICE

SINCE FILE	TOTAL
ENTRY	SESSION
13.58	375.70

SINCE FILE	TOTAL
ENTRY	SESSION
0.00	-5.21

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 13:13:15 ON 04 JUN 2003

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssspta1623paz

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 13:17:11 ON 04 JUN 2003
FILE 'CAPLUS' ENTERED AT 13:17:11 ON 04 JUN 2003
COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	13.58	375.70

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-5.21

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	13.58	375.70

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-5.21

FILE 'REGISTRY' ENTERED AT 13:17:28 ON 04 JUN 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2003 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 3 JUN 2003 HIGHEST RN 524916-37-8
DICTIONARY FILE UPDATES: 3 JUN 2003 HIGHEST RN 524916-37-8

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP
PROPERTIES for more information. See STNote 27, Searching Properties
in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>

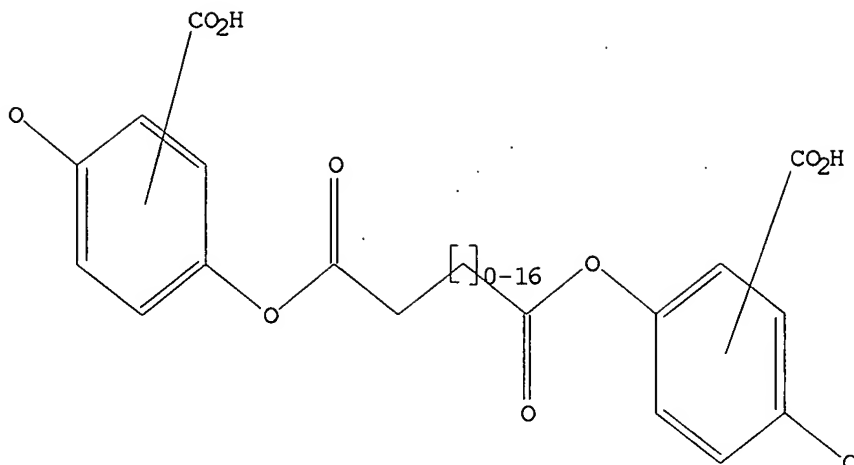
Uploading 10031950 diaryl core.str

L32 STRUCTURE UPLOADED

=> d 132

L32 HAS NO ANSWERS

L32 STR



Structure attributes must be viewed using STN Express query preparation.

=> search l32 sss sam

SAMPLE SEARCH INITIATED 13:18:02 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 76 TO ITERATE

100.0% PROCESSED 76 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 997 TO 2043

PROJECTED ANSWERS: 0 TO 0

L33 0 SEA SSS SAM L32

=> search l32 sss full

FULL SEARCH INITIATED 13:18:12 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 1216 TO ITERATE

100.0% PROCESSED 1216 ITERATIONS

3 ANSWERS

SEARCH TIME: 00.00.01

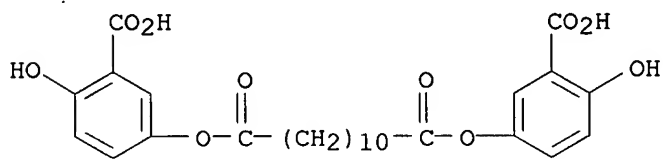
L34 3 SEA SSS FUL L32

=> d scan

L34 3 ANSWERS REGISTRY COPYRIGHT 2003 ACS

IN Dodecanedioic acid, bis(3-carboxy-4-hydroxyphenyl) ester (9CI)

MF C26 H30 O10

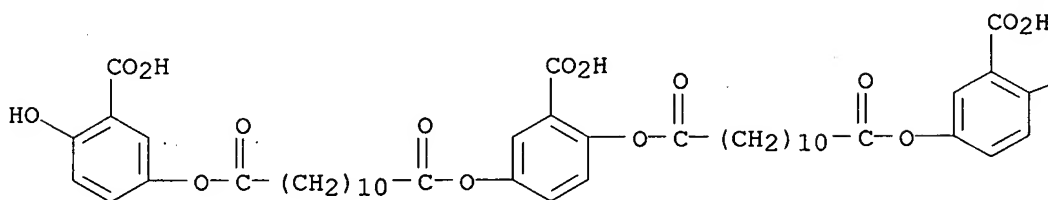


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):3

L34 3 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Dodecanedioic acid, 2-carboxy-1,4-phenylene
bis(3-carboxy-4-hydroxyphenyl)
ester (9CI)
MF C45 H54 O16

PAGE 1-A



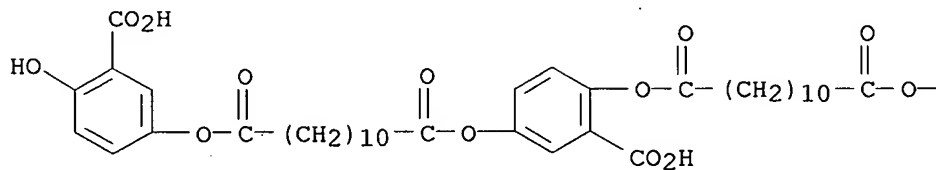
PAGE 1-B

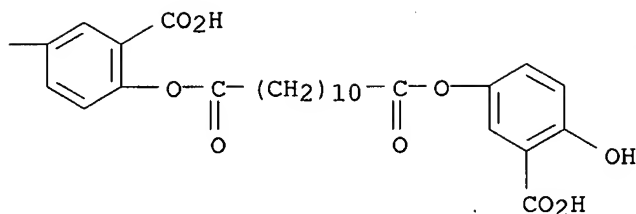
OH

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L34 3 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Dodecanedioic acid, 2-carboxy-4-[[12-(3-carboxy-4-hydroxyphenoxy)-1,12-dioxododecyl]oxy]phenyl
3-carboxy-4-[[12-(3-carboxy-4-hydroxyphenoxy)-1,12-dioxododecyl]oxy]phenyl ester (9CI)
MF C64 H78 O22

PAGE 1-A





ALL ANSWERS HAVE BEEN SCANNED

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
148.55	524.25

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
0.00	-5.21

CA SUBSCRIBER PRICE

FILE 'CAPLUS' ENTERED AT 13:18:40 ON 04 JUN 2003

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 4 Jun 2003 VOL 138 ISS 23

FILE LAST UPDATED: 3 Jun 2003 (20030603/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> 134

L35

1 L34

=> d 135 ti fbib abs

L35 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS

TI Melt supramolecular assembly of oligomers with regularly spaced, alternating hydrogen bonding and hydrophobic sites

AN 1999:753790 CAPLUS

DN 132:123000
 TI Melt supramolecular assembly of oligomers with regularly spaced,
 alternating hydrogen bonding and hydrophobic sites
 AU Greener, Bryan; Rose, John
 CS Smith & Nephew Group Research Centre, Heslington, York, YO10 5DF, UK
 SO Chemical Communications (Cambridge) (1999), (23), 2361-2362
 CODEN: CHCOFS; ISSN: 1359-7345
 PB Royal Society of Chemistry
 DT Journal
 LA English
 AB The melt condensation of 2,5-dihydroxybenzoic acid with dodecanedioyl
 dichloride resulted in oligomers with regularly spaced, multiple hydrogen
 bonding sites; fibers were drawn from melts at 150 .degree.C.
 RE.CNT 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	2.83	527.08

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-0.65	-5.86

SESSION WILL BE HELD FOR 60 MINUTES
 STN INTERNATIONAL SESSION SUSPENDED AT 13:19:28 ON 04 JUN 2003

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptal623paz

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
 SESSION RESUMED IN FILE 'CAPLUS' AT 13:21:08 ON 04 JUN 2003
 FILE 'CAPLUS' ENTERED AT 13:21:08 ON 04 JUN 2003
 COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	2.83	527.08
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-0.65	-5.86

=> file reg

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	2.83	527.08

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION

CA SUBSCRIBER PRICE

-0.65

-5.86

FILE 'REGISTRY' ENTERED AT 13:21:17 ON 04 JUN 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2003 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 3 JUN 2003 HIGHEST RN 524916-37-8
DICTIONARY FILE UPDATES: 3 JUN 2003 HIGHEST RN 524916-37-8

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP
PROPERTIES for more information. See STNote 27, Searching Properties
in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>

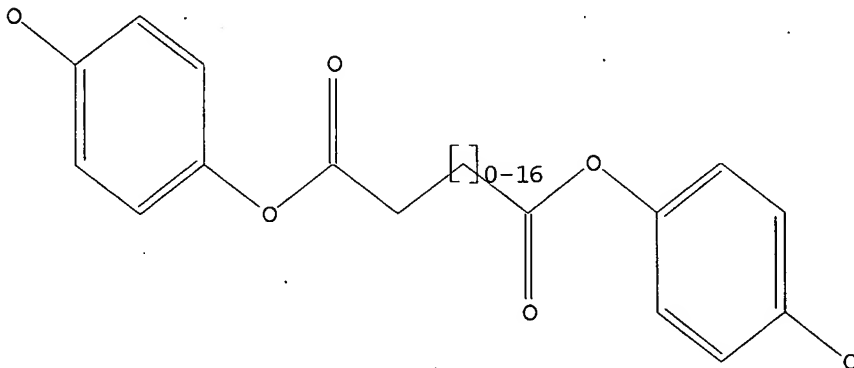
Uploading 10031950 broadest diaryl core.str

L36 STRUCTURE UPLOADED

=> d 136

L36 HAS NO ANSWERS

L36 STR



Structure attributes must be viewed using STN Express query preparation.

=> search 136 sss sam

SAMPLE SEARCH INITIATED 13:21:54 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 1896 TO ITERATE

52.7% PROCESSED 1000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

2 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
 PROJECTED ITERATIONS: 35309 TO 40531
 PROJECTED ANSWERS: 2 TO 191

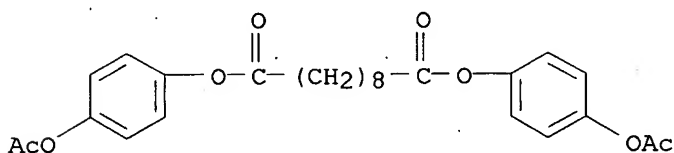
L37 2 SEA SSS SAM L36

=> d scan

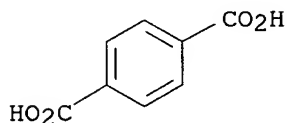
L37 2 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN 1,4-Benzenedicarboxylic acid, polymer with bis[4-(acetyloxy)phenyl]
 decanedioate (9CI)
 MF (C26 H30 O8 . C8 H6 O4)x
 CI PMS

RELATED POLYMERS AVAILABLE WITH POLYLINK

CM 1



CM 2

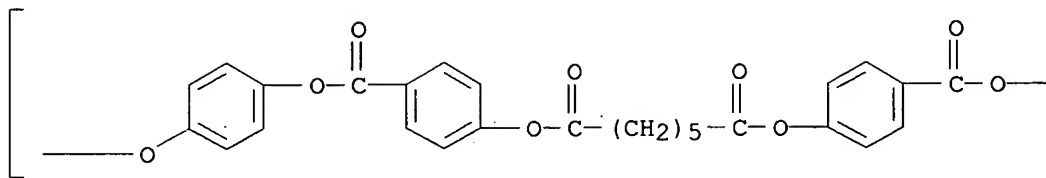


HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

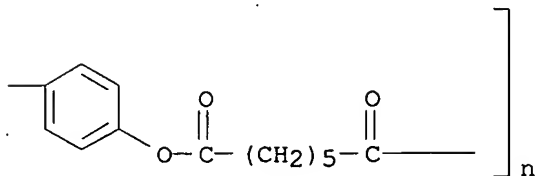
L37 2 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Poly[oxy-1,4-phenyleneoxycarbonyl-1,4-phenyleneoxy(1,7-dioxo-1,7-heptanediyl)oxy-1,4-phenylenecarbonyloxy-1,4-phenyleneoxy(1,7-dioxo-1,7-heptanediyl)] (9CI)
 MF (C40 H36 O12)n
 CI PMS

RELATED POLYMERS AVAILABLE WITH POLYLINK

PAGE 1-A



PAGE 1-B



ALL ANSWERS HAVE BEEN SCANNED

=> search 136 sss full

FULL SEARCH INITIATED 13:23:18 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 37467 TO ITERATE

100.0% PROCESSED 37467 ITERATIONS

213 ANSWERS

SEARCH TIME: 00.00.01

L38 213 SEA SSS FUL L36

=> d scan

L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS

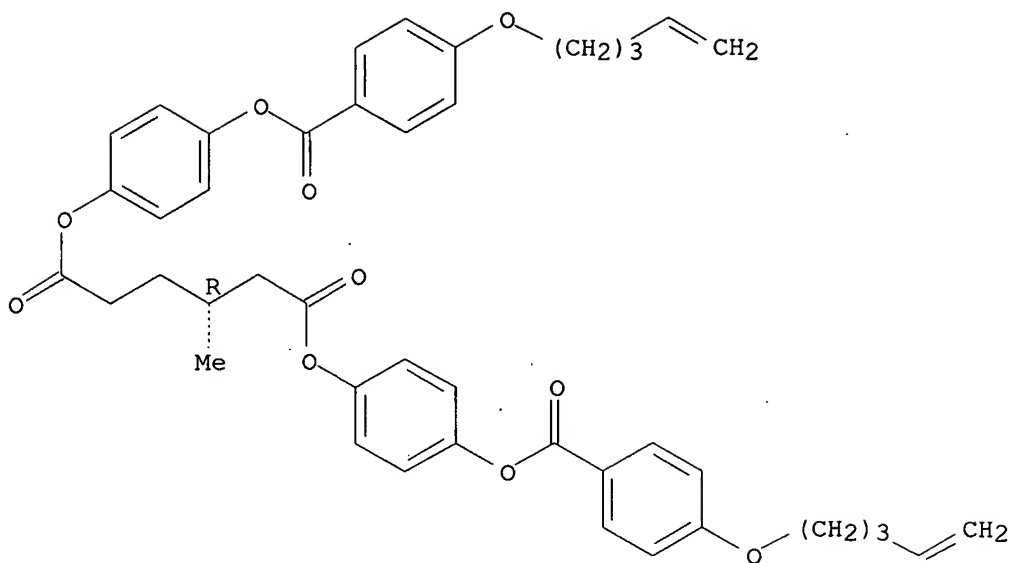
IN Hexanedioic acid, 3-methyl-, bis[4-[[4-(4-pentenyl)oxy]benzoyl]oxy]phenyl]
ester, (3R)-, homopolymer (9CI)

MF (C43 H44 O10)x

CI PMS

CM 1

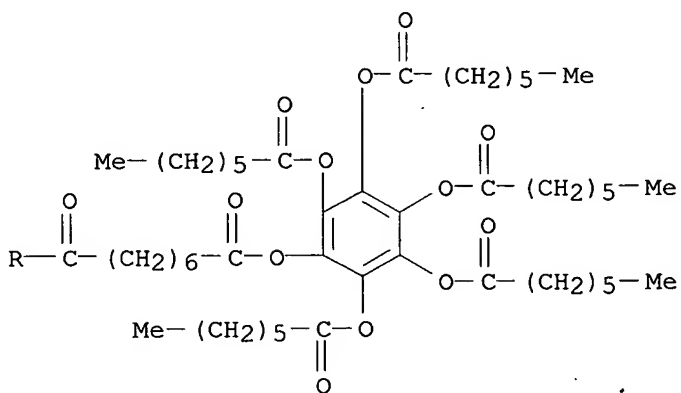
Absolute stereochemistry. Rotation (+).

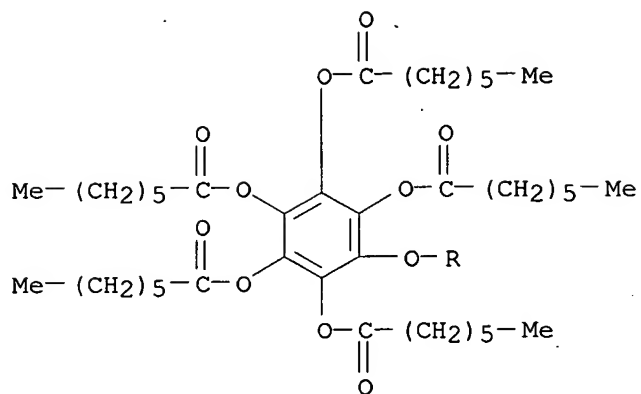


HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):20

L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Octanedioic acid, bis[pentakis[(1-oxoheptyl)oxy]phenyl] ester (9CI)
 MF C90 H142 O24

PAGE 1-A

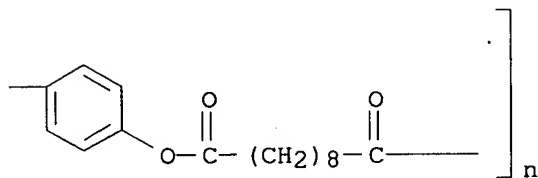
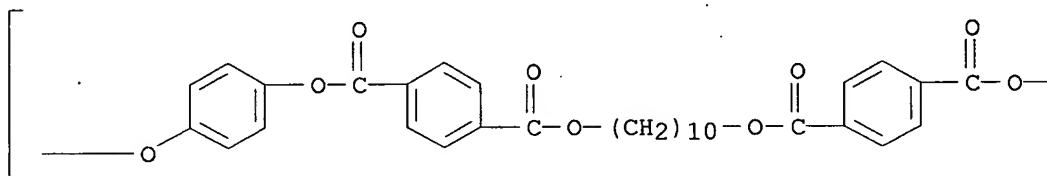




PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

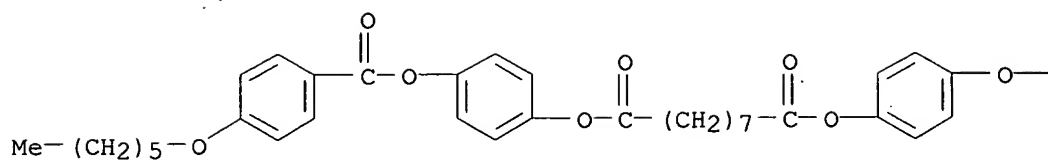
L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Poly[oxy-1,4-phenyleneoxycarbonyl-1,4-phenylenecarbonyloxy-1,10-decanediylloxycarbonyl-1,4-phenylenecarbonyloxy-1,4-phenyleneoxy(1,10-dioxo-1,10-decanediyl)] (9CI)
 MF (C48 H52 O12)_n
 CI PMS

RELATED POLYMERS AVAILABLE WITH POLYLINK

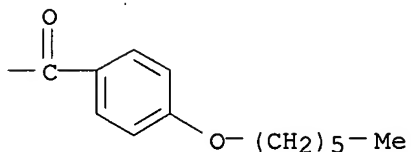


L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Nonanedioic acid, bis[4-[[4-(hexyloxy)benzoyl]oxy]phenyl] ester (9CI)
 MF C47 H56 O10

PAGE 1-A



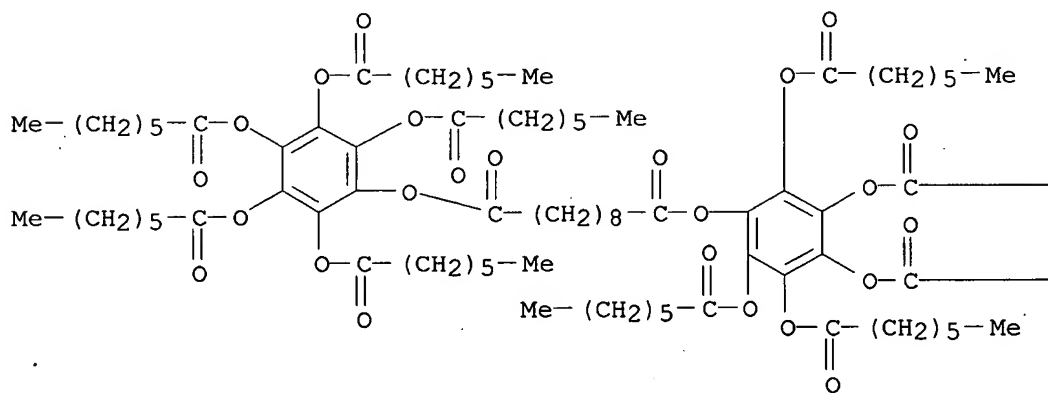
PAGE 1-B



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Decanedioic acid, bis[pentakis[(1-oxoheptyl)oxy]phenyl] ester (9CI)
 MF C92 H146 O24

PAGE 1-A

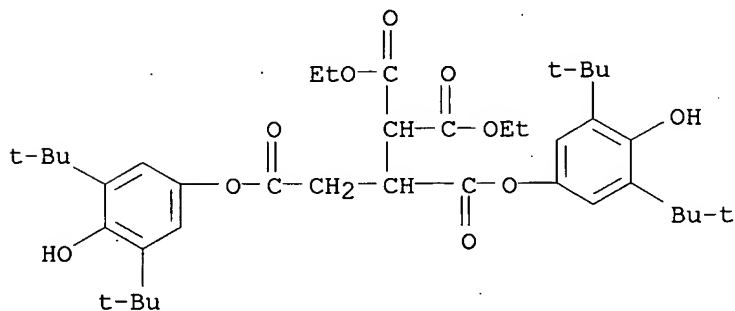


— (CH₂)₅—Me

— (CH₂)₅—Me

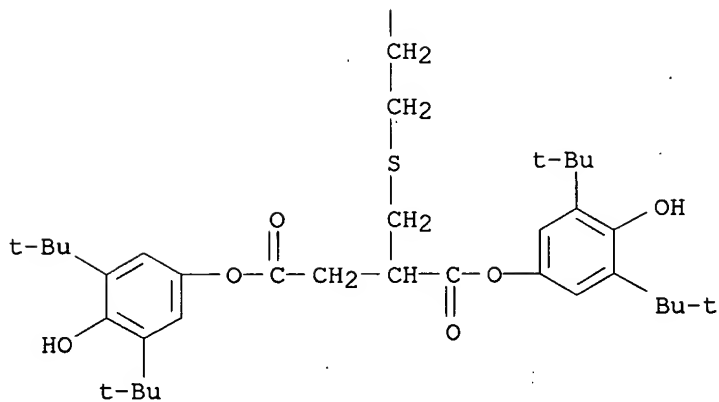
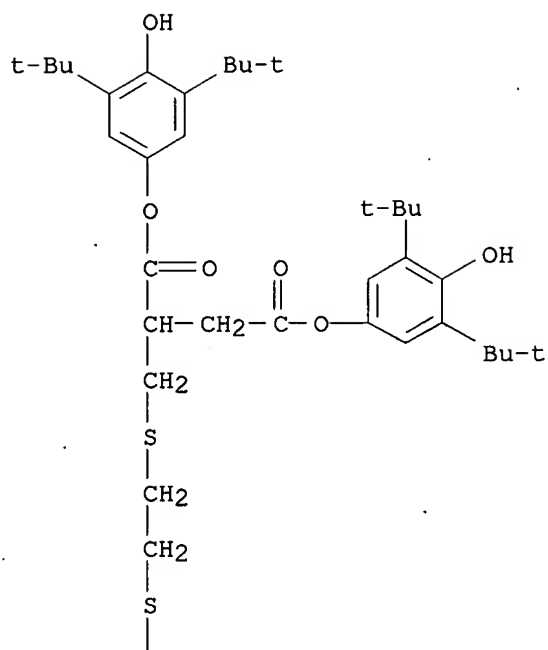
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN 1,1,2,3-Propanetetracarboxylic acid, 2,3-bis(3,5-di-tert-butyl-4-hydroxyphenyl) diethyl ester (8CI)
 MF C39 H56 O10



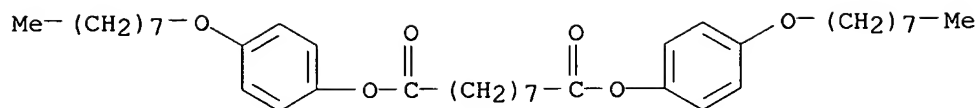
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Succinic acid, 2,2'-[thiobis(ethylenethiomethylene)]di-,
 tetrakis(3,5-di-tert-butyl-4-hydroxyphenyl) ester (8CI)
 MF C70 H102 O12 S3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Nonanedioic acid, bis[4-(octyloxy)phenyl] ester (9CI)
 MF C37 H56 O6

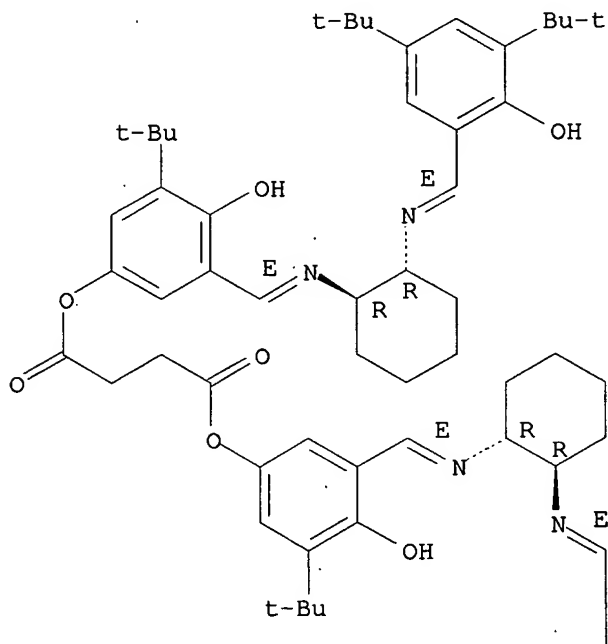


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

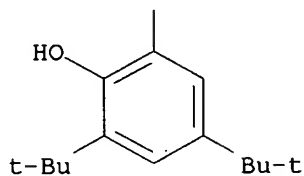
L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Butanedioic acid,
 bis[3-[(E)-[[(1R,2R)-2-[(E)-[[3,5-bis(1,1-dimethylethyl)-
 2-hydroxyphenyl]methylene]amino]cyclohexyl]imino]methyl]-5-(1,1-
 dimethylethyl)-4-hydroxyphenyl] ester (9CI)
 MF C68 H94 N4 O8

Absolute stereochemistry.
 Double bond geometry as shown.

PAGE 1-A



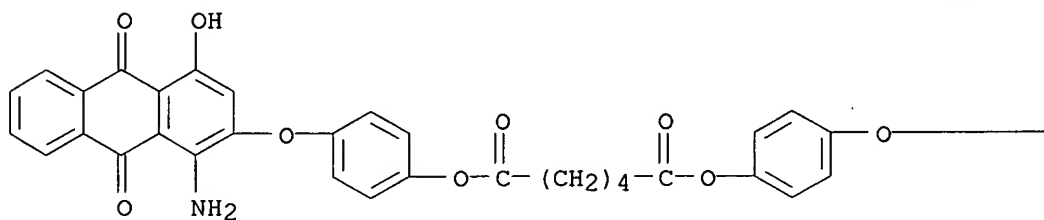
PAGE 2-A



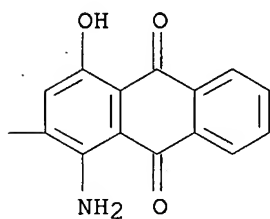
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Hexanedioic acid, bis[4-[(1-amino-9,10-dihydro-4-hydroxy-9,10-dioxo-2-anthracenyl)oxy]phenyl] ester (9CI)
 MF C46 H32 N2 O12

PAGE 1-A

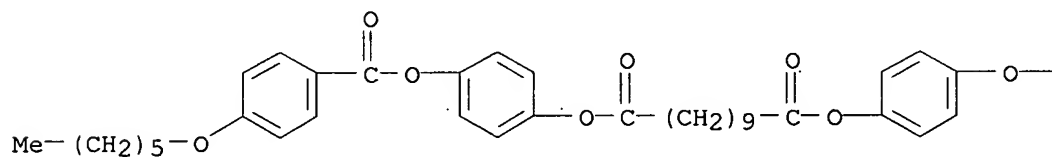


PAGE 1-B

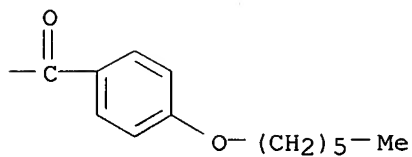


L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Undecanedioic acid, bis[4-[[4-(hexyloxy)benzoyl]oxy]phenyl] ester (9CI)
 MF C49 H60 O10

PAGE 1-A

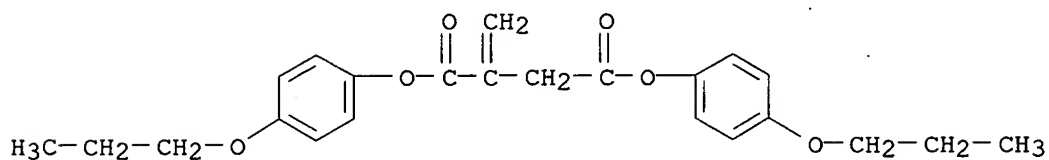


PAGE 1-B



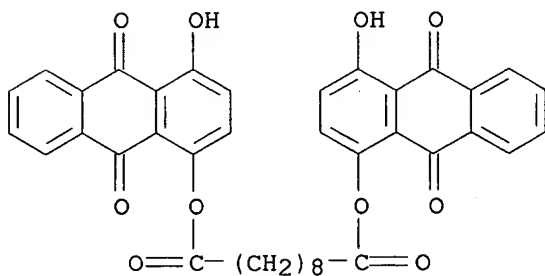
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Butanedioic acid, methylene-, bis(4-propoxyphenyl) ester (9CI)
MF C23 H26 O6
CI COM



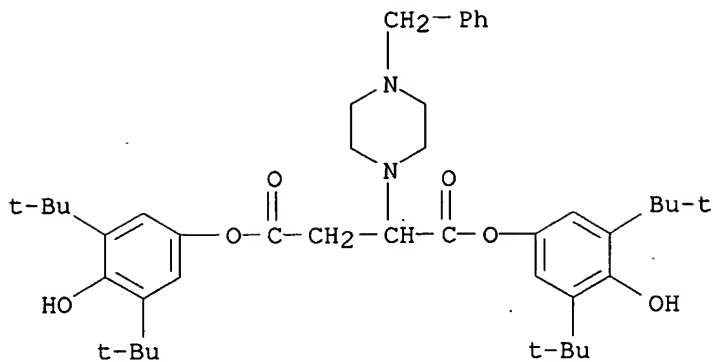
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Decanedioic acid, bis(9,10-dihydro-4-hydroxy-9,10-dioxo-1-anthracenyl)
ester (9CI)
MF C38 H30 O10



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 1-Piperazinesuccinic acid, 4-benzyl-, bis(3,5-di-tert-butyl-4-
hydroxyphenyl) ester (8CI)
MF C43 H60 N2 O6

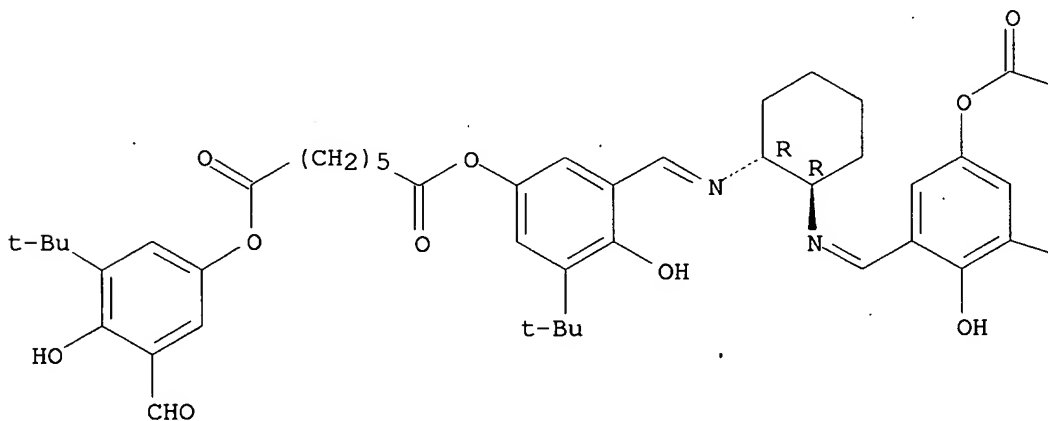


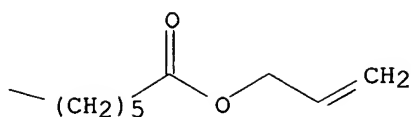
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Heptanedioic acid, 3-(1,1-dimethylethyl)-5-[[[(1R,2R)-2-[[[3-(1,1-dimethylethyl)-5-[[7-[3-(1,1-dimethylethyl)-5-formyl-4-hydroxyphenoxy]-1,7-dioxoheptyl]oxy]-2-hydroxyphenyl]methylene]amino]cyclohexyl]imino]methyl]-4-hydroxyphenyl 2-propenyl ester (9CI)
 MF C56 H74 N2 O12

Absolute stereochemistry.
 Double bond geometry unknown.

PAGE 1-A

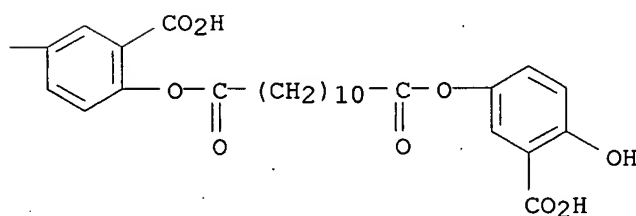
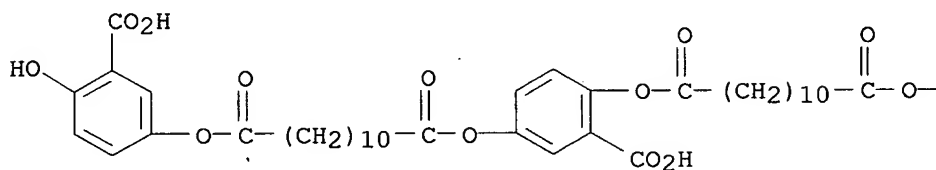




Bu-t

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

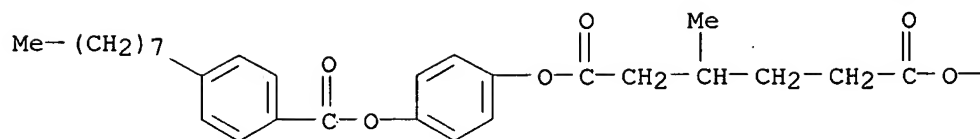
L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Dodecanedioic acid, 2-carboxy-4-[[12-(3-carboxy-4-hydroxyphenoxy)-1,12-dioxododecyl]oxy]phenyl
 3-carboxy-4-[[12-(3-carboxy-4-hydroxyphenoxy)-1,12-dioxododecyl]oxy]phenyl ester (9CI)
 MF C64 H78 O22



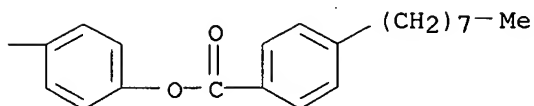
L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Hexanedioic acid, 3-methyl-, bis[4-[(4-octylbenzoyl)oxy]phenyl] ester, mixt. with 4'-nonyl[1,1'-biphenyl]-4-carbonitrile, 4'-octyl[1,1'-biphenyl]-4-carbonitrile and 4'-(octyloxy)[1,1'-biphenyl]-4-carbonitrile (9CI)
 MF C49 H60 O8 . C22 H27 N . C21 H25 N O . C21 H25 N
 CI MXS

CM 1

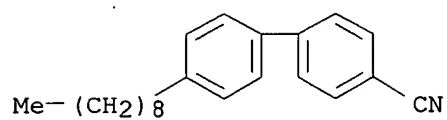
PAGE 1-A



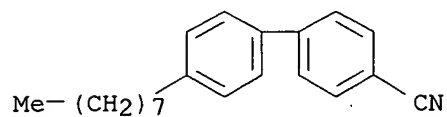
PAGE 1-B



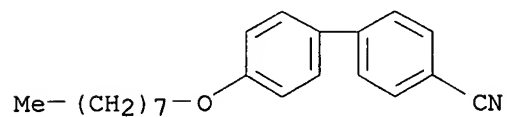
CM 2



CM 3

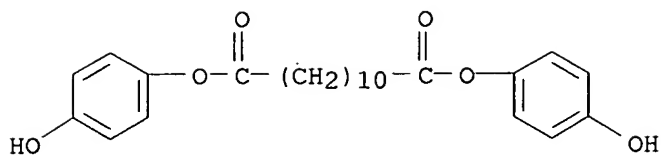


CM 4

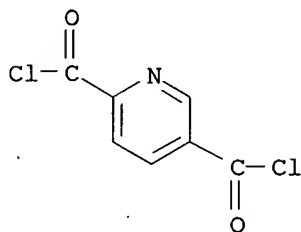


L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Dodecanedioic acid, bis(4-hydroxyphenyl) ester, polymer with
 2,5-pyridinedicarbonyl dichloride (9CI)
 MF (C24 H30 O6 . C7 H3 Cl2 N O2)x
 CI PMS

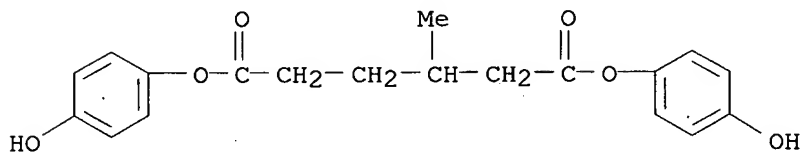
CM 1



CM 2



L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Hexanedioic acid, 3-methyl-, bis(4-hydroxyphenyl) ester (9CI)
 MF C19 H20 O6
 CI COM

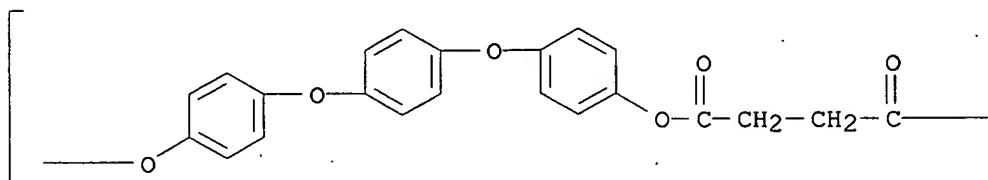


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN
 Poly[oxy-1,4-phenyleneoxy-1,4-phenyleneoxy-1,4-phenyleneoxy(1,4-dioxo-1,4-butanediyl)] (9CI)
 MF (C22 H16 O6)_n
 CI PMS

RELATED POLYMERS AVAILABLE WITH POLYLINK

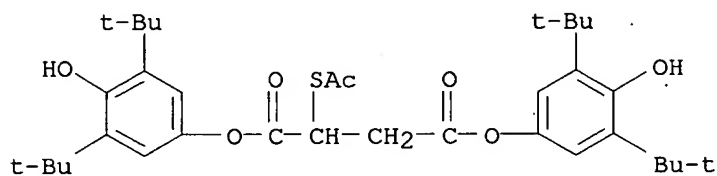
PAGE 1-A



]

n

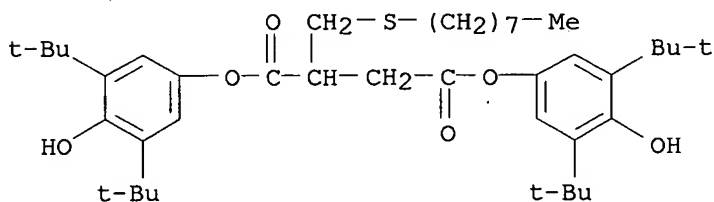
L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Succinic acid, mercapto-, bis(3,5-di-tert-butyl-4-hydroxyphenyl) ester,
 2-acetate (8CI)
 MF C34 H48 O7 S



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):10

L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Succinic acid, [(octylthio)methyl]-, bis(3,5-di-tert-butyl-4-
 hydroxyphenyl) ester (8CI)
 MF C41 H64 O6 S



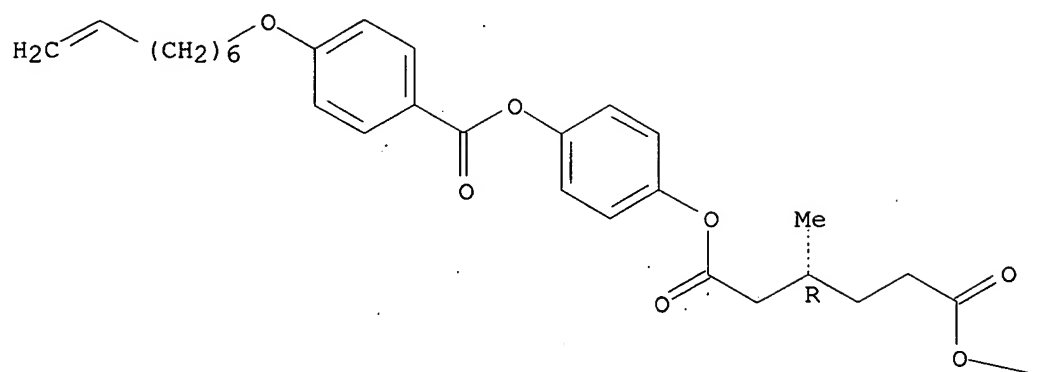
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Hexanedioic acid, 3-methyl-, bis[4-[[4-(7-octenyloxy)benzoyl]oxy]phenyl]
 ester, (3R)-, homopolymer (9CI)
 MF (C49 H56 O10)x
 CI PMS

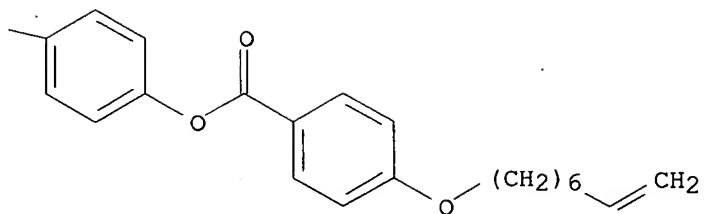
CM 1

Absolute stereochemistry. Rotation (+).

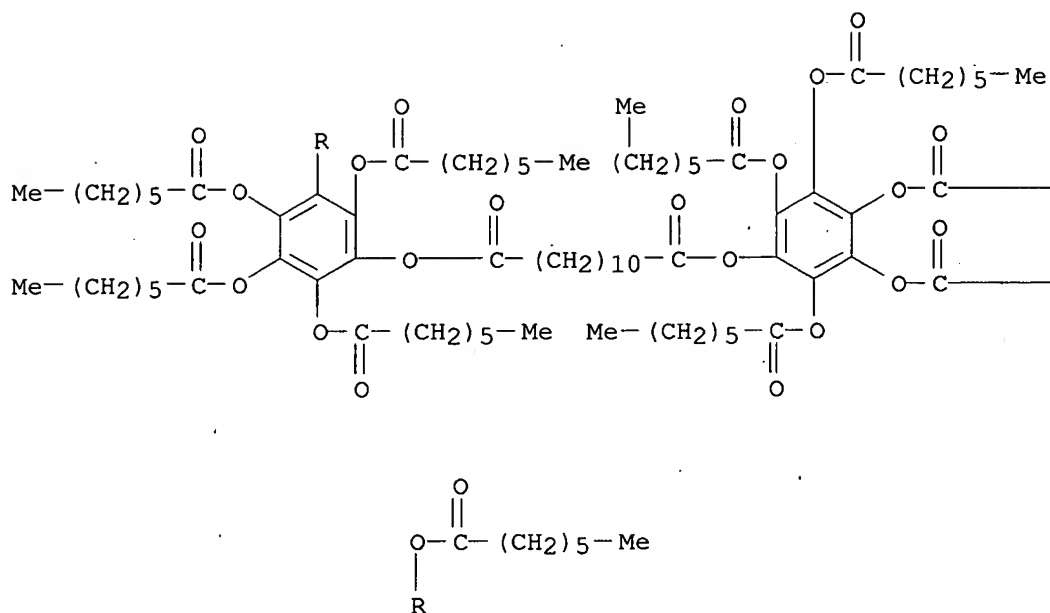
PAGE 1-A



PAGE 1-B



L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Dodecanedioic acid, bis[pentakis[(1-oxoheptyl)oxy]phenyl] ester (9CI)
MF C94 H150 O24



— (CH₂)₅—Me

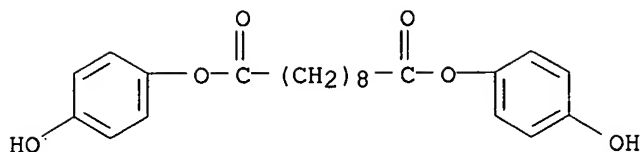
— (CH₂)₅—Me

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

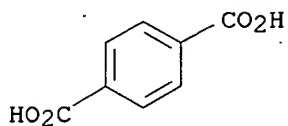
L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN 1,4-Benzenedicarboxylic acid, polymer with bis(4-hydroxyphenyl)
 decanedioate (9CI)
 MF (C22 H26 O6 . C8 H6 O4)x
 CI PMS

RELATED POLYMERS AVAILABLE WITH POLYLINK

CM 1

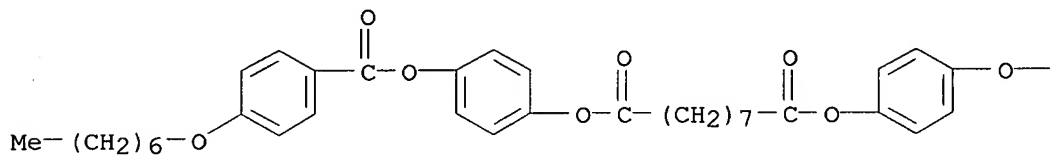


CM 2

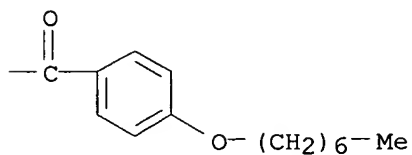


L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Nonanedioic acid, bis[4-[[4-(heptyloxy)benzoyl]oxy]phenyl] ester (9CI)
 MF C49 H60 O10

PAGE 1-A



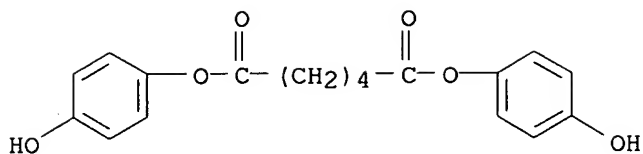
PAGE 1-B



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

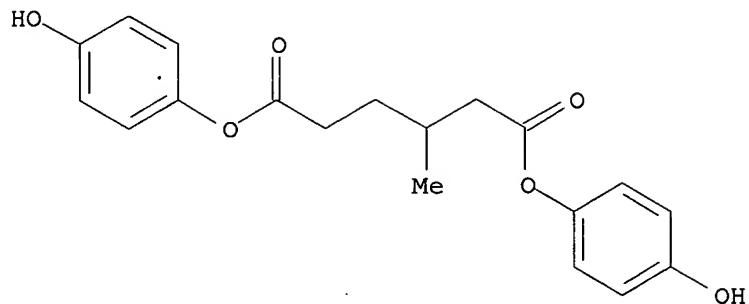
L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Hexanedioic acid, 3-methyl-, bis(4-hydroxyphenyl) ester, (+)-, polymer
 with bis(4-hydroxyphenyl) hexanedioate and
 trans-1,4-cyclohexanedicarbonyl
 dichloride (9CI)
 MF (C19 H20 O6 . C18 H18 O6 . C8 H10 Cl2 O2)x
 CI PMS

CM 1



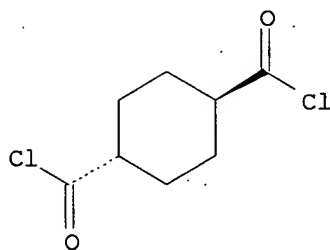
CM 2

Rotation (+).

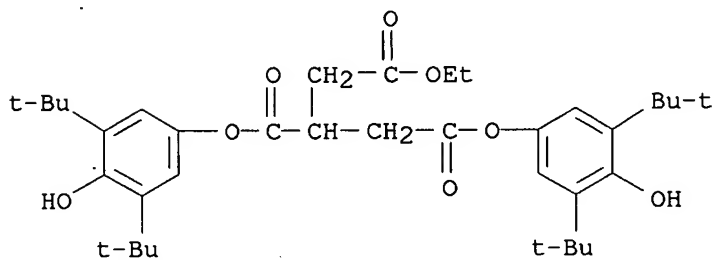


CM 3

Relative stereochemistry.



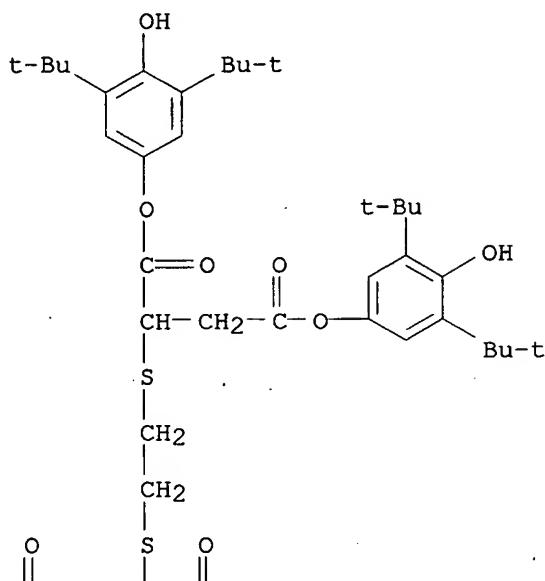
L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN 1,2,3-Propanetricarboxylic acid, 1,2-bis(3,5-di-tert-butyl-4-hydroxyphenyl) ethyl ester (8CI)
 MF C36 H52 O8



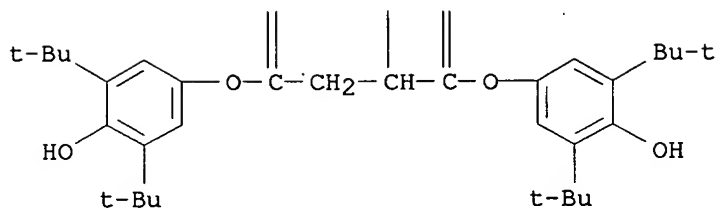
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Succinic acid, (ethylenedithio)di-, tetrakis(3,5-di-tert-butyl-4-hydroxyphenyl) ester (8CI)
MF C66 H94 O12 S2

PAGE 1-A

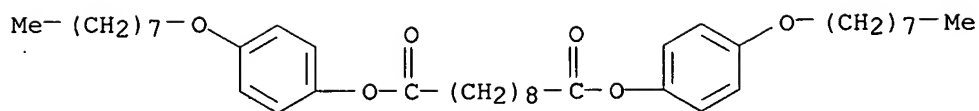


PAGE 2-A



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Decanedioic acid, bis[4-(octyloxy)phenyl] ester (9CI)
MF C38 H58 O6

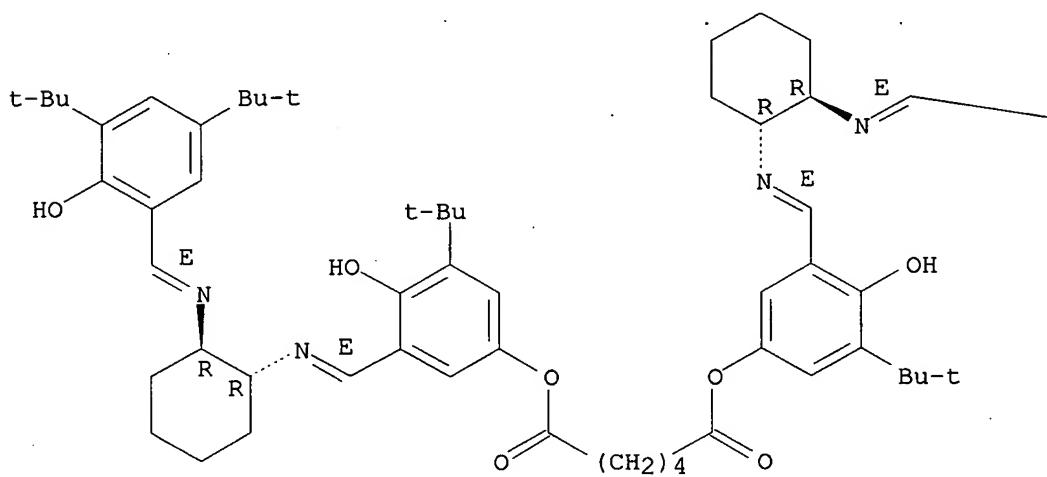


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

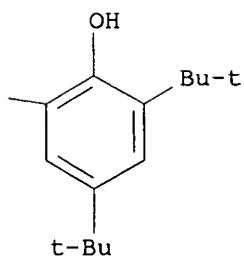
L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Hexanedioic acid,
 bis[3-[(E)-[[(1R,2R)-2-[(E)-[[3,5-bis(1,1-dimethylethyl)-
 2-hydroxyphenyl]methylene]amino]cyclohexyl]imino]methyl]-5-(1,1-
 dimethylethyl)-4-hydroxyphenyl] ester (9CI)
 MF C70 H98 N4 O8

Absolute stereochemistry.
 Double bond geometry as shown.

PAGE 1-A



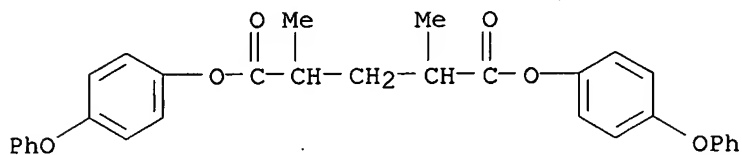
PAGE 1-B



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

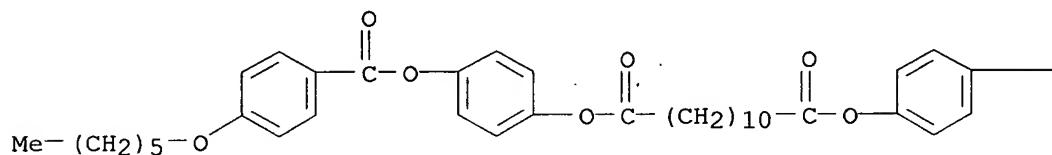
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):10

L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Pentanedioic acid, 2,4-dimethyl-, bis(4-phenoxyphenyl) ester (9CI)
MF C31 H28 O6

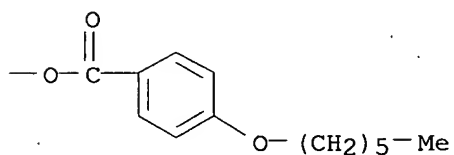


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Dodecanedioic acid, bis[4-[[4-(hexyloxy)benzoyl]oxy]phenyl] ester (9CI)
MF C50 H62 O10



PAGE 1-A

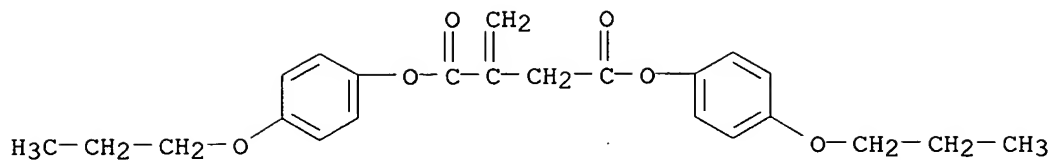


PAGE 1-B

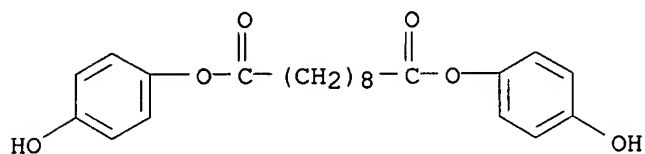
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Butanedioic acid, methylene-, bis(4-propoxyphenyl) ester, homopolymer
(9CI)
MF (C23 H26 O6)x
CI PMS

CM 1



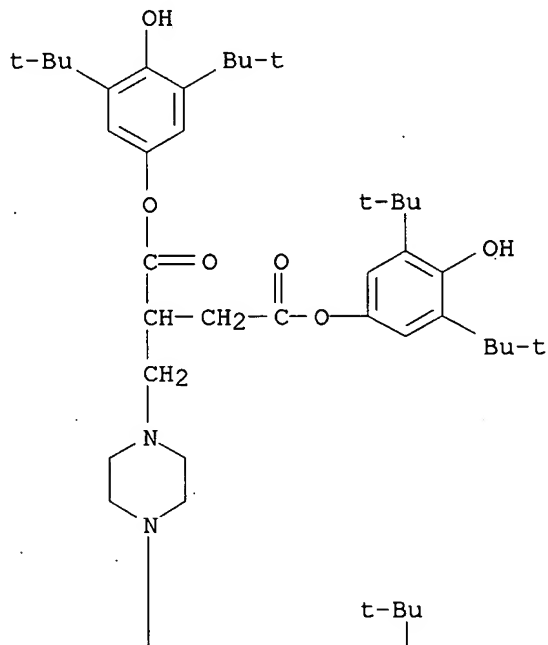
L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Decanedioic acid, bis(4-hydroxyphenyl) ester (9CI)
 MF C22 H26 O6
 CI COM

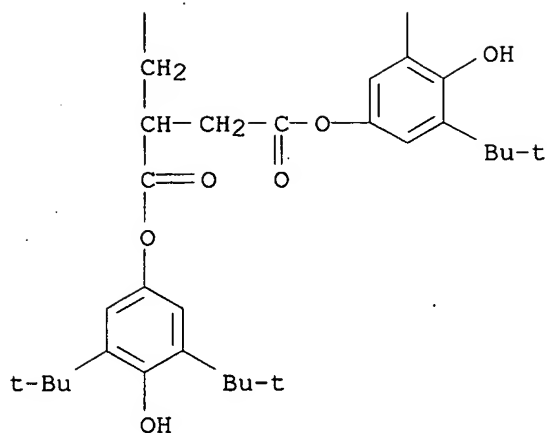


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Succinic acid, 2,2'-(1,4-piperazinediyl)dimethylene di-,
 tetrakis(3,5-di-tert-butyl-4-hydroxyphenyl) ester (8CI)
 MF C70 H102 N2 O12

PAGE 1-A





PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS

IN Heptanedioic acid,

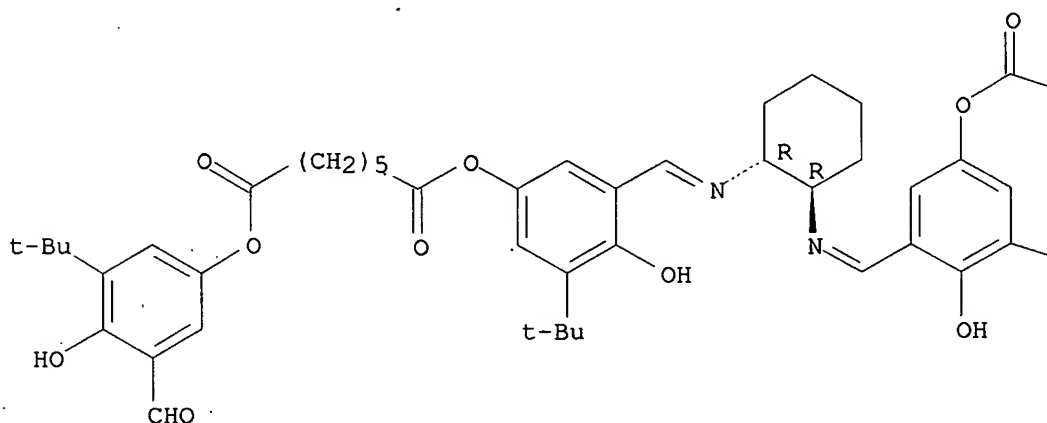
3-[[[(1R,2R)-2-[[[5-[(6-carboxy-1-oxohexyl)oxy]-3-(1,1-

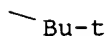
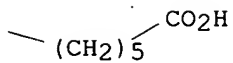
dimethylethyl)-2-hydroxyphenyl]methylene]amino]cyclohexyl]imino]methyl]-5-(1,1-dimethylethyl)-4-hydroxyphenyl 3-(1,1-dimethylethyl)-5-formyl-4-hydroxyphenyl ester (9CI)

MF C53 H70 N2 O12

Absolute stereochemistry.

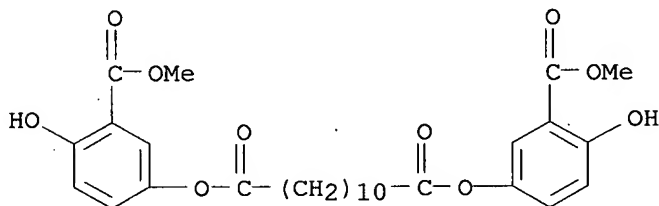
Double bond geometry unknown.





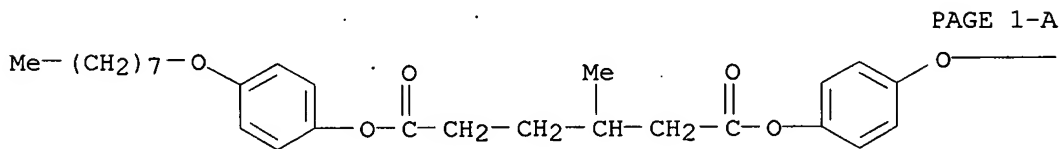
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Dodecanedioic acid, bis[4-hydroxy-3-(methoxycarbonyl)phenyl] ester (9CI)
 MF C28 H34 O10



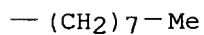
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Hexanedioic acid, 3-methyl-, bis[4-(octyloxy)phenyl] ester (9CI)
 MF C35 H52 O6
 CI COM



PAGE 1-A

PAGE 1-B

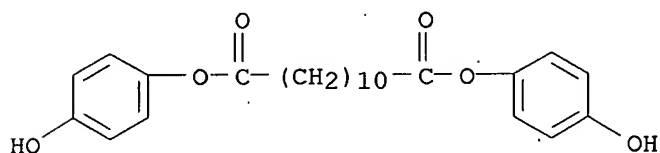


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Dodecanedioic acid, bis(4-hydroxyphenyl) ester, polymer with
 trans-1,4-cyclohexanedicarbonyl dichloride (9CI)
 MF (C24 H30 O6 . C8 H10 Cl2 O2)x
 CI PMS

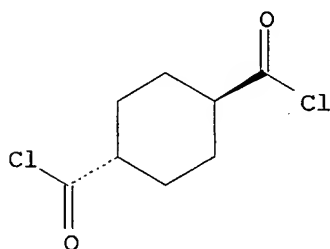
RELATED POLYMERS AVAILABLE WITH POLYLINK

CM 1



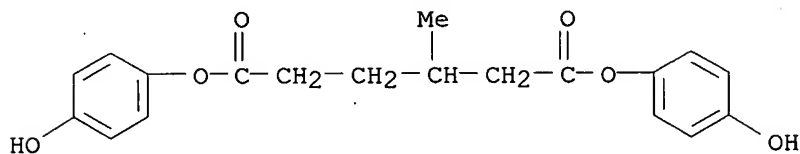
CM 2

Relative stereochemistry.



L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Hexanedioic acid, 3-methyl-, bis(4-hydroxyphenyl) ester, homopolymer
 (9CI)
 MF (C19 H20 O6)x
 CI PMS

CM 1



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> save temp l38 barebones reg

'REG' IS NOT VALID HERE

For an explanation, enter "HELP SAVE".

=> save temp l38 barebonesreg/a

ANSWER SET L38 HAS BEEN SAVED AS 'BAREBONESREG/A'

=>

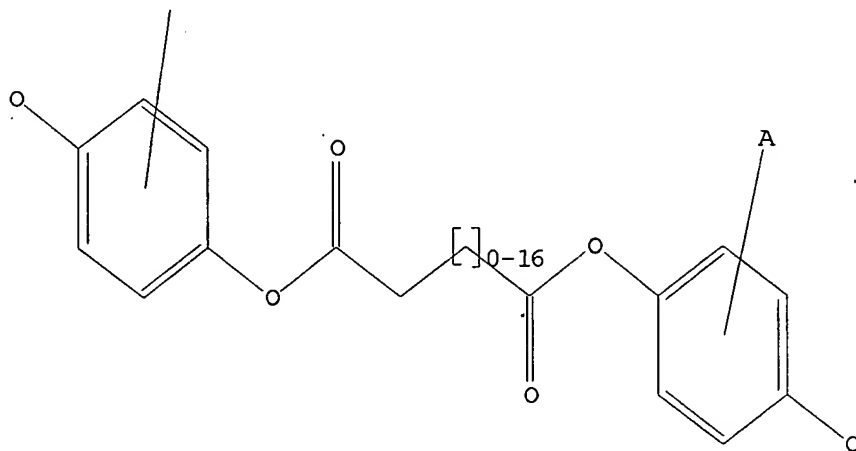
Uploading 10031950 broadest substituted diaryl core.str

L39 STRUCTURE UPLOADED

=> d 139

L39 HAS NO ANSWERS

L39 STR



Structure attributes must be viewed using STN Express query preparation.

=> search 139 sss sam

SAMPLE SEARCH INITIATED 13:27:49 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 1891 TO ITERATE

52.9% PROCESSED 1000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

0 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 35212 TO 40428
PROJECTED ANSWERS: 0 TO 0

L40 0 SEA SSS SAM L39

=> search 139 sss full

FULL SEARCH INITIATED 13:27:58 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 37339 TO ITERATE

100.0% PROCESSED 37339 ITERATIONS
SEARCH TIME: 00.00.01

81 ANSWERS

L41 81 SEA SSS FUL L39

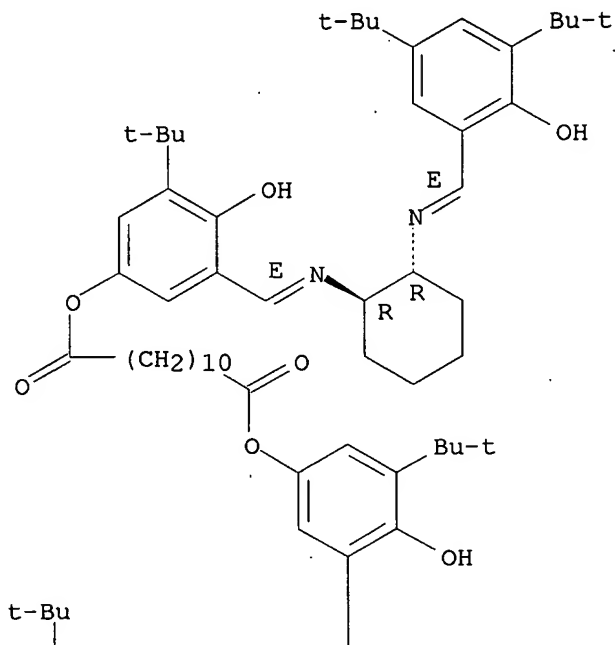
=> d scan

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS

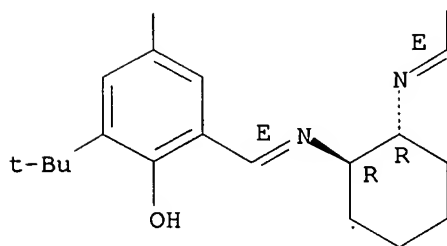
IN Dodecanedioic acid, bis[3-[(E)-[[[(1R,2R)-2-[(E)-[[3,5-bis(1,1-dimethylethyl)-2-hydroxyphenyl]methylene]amino]cyclohexyl]imino]methyl]-5-(1,1-dimethylethyl)-4-hydroxyphenyl] ester (9CI)
 MF C76 H110 N4 O8

Absolute stereochemistry.
 Double bond geometry as shown.

PAGE 1-A



PAGE 2-A

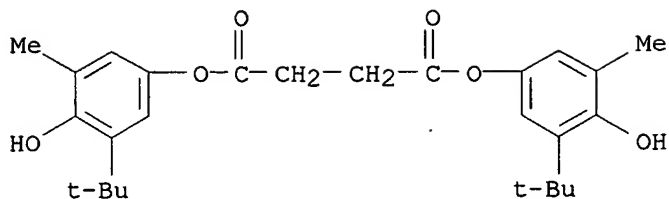


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):20

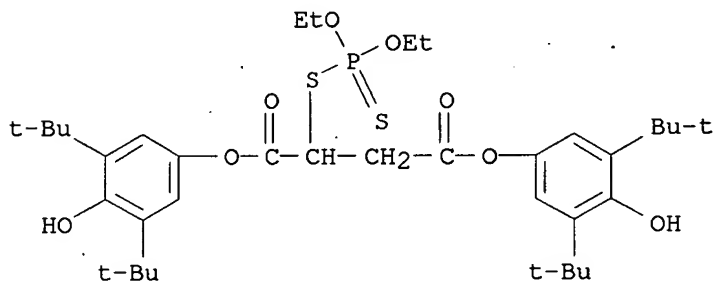
L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Butanedioic acid, bis[3-(1,1-dimethylethyl)-4-hydroxy-5-methylphenyl]
 ester (9CI)

MF C26 H34 O6



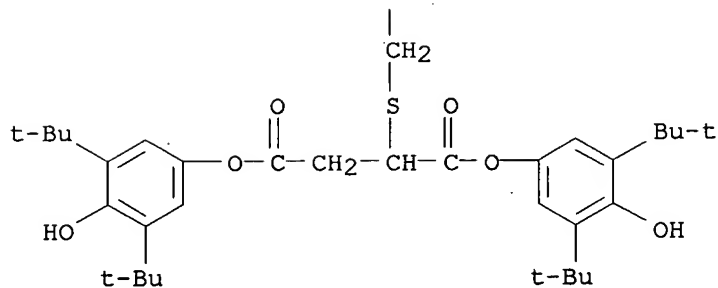
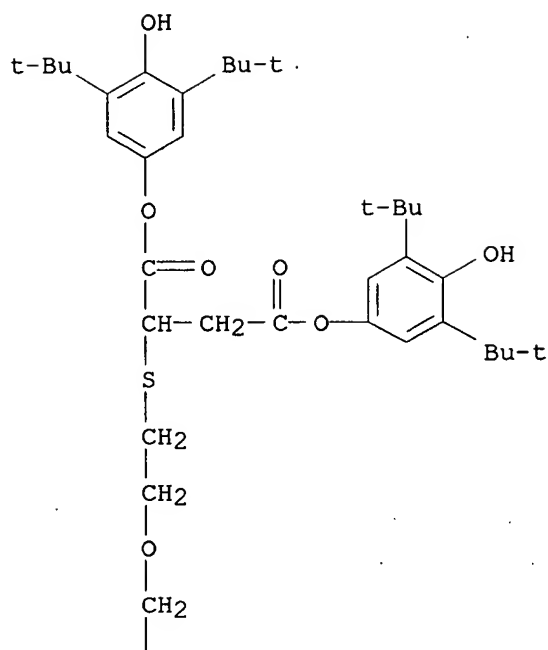
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Succinic acid, mercapto-, bis(3,5-di-tert-butyl-4-hydroxyphenyl) ester,
S-ester with O,O-diethyl phosphorodithioate (8CI)
MF C36 H55 O8 P S2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Succinic acid, 2,2'-[oxybis(ethylenethio)]di-,
tetrakis(3,5-di-tert-butyl-4-hydroxyphenyl) ester (8CI)
MF C68 H98 O13 S2

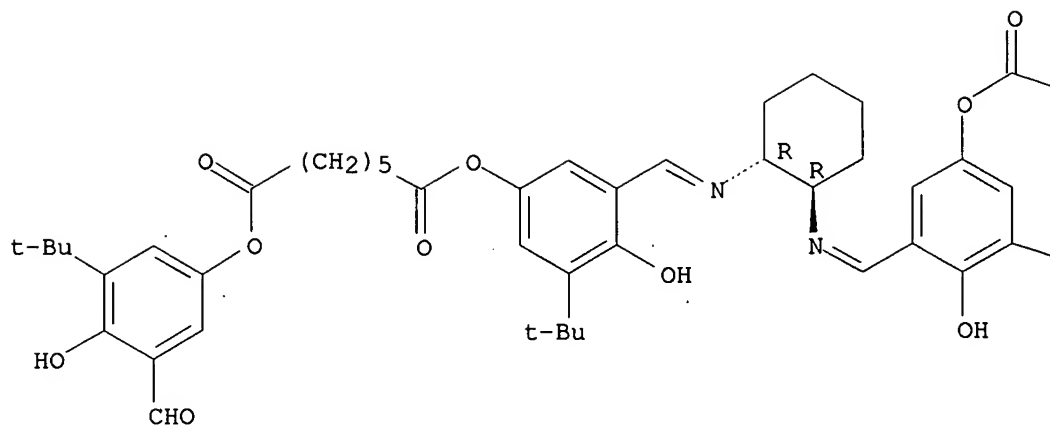


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

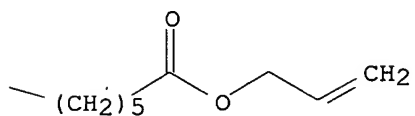
L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Heptanedioic acid, 3-(1,1-dimethylethyl)-5-[[[(1R,2R)-2-[[[3-(1,1-dimethylethyl)-5-[[7-[3-(1,1-dimethylethyl)-5-formyl-4-hydroxyphenoxy]-1,7-dioxoheptyl]oxy]-2-hydroxyphenyl]methylene]amino]cyclohexyl]imino]methyl]-4-hydroxyphenyl 2-propenyl ester (9CI)
 MF C56 H74 N2 O12

Absolute stereochemistry.
 Double bond geometry unknown.

PAGE 1-A



PAGE 1-B

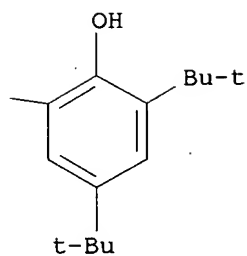
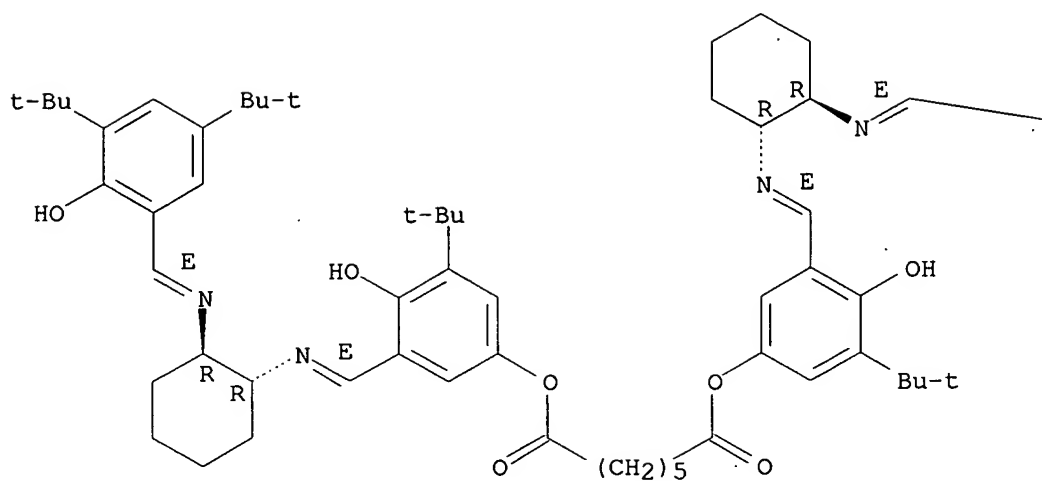


Bu-t

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

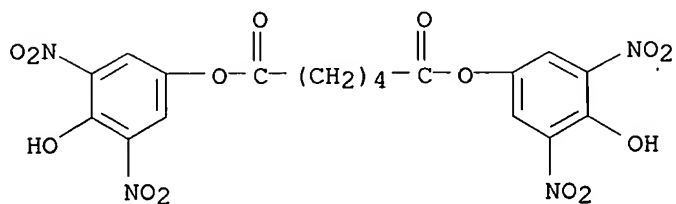
L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Heptanedioic acid, bis[3-[(E)-[[[(1R,2R)-2-[(E)-[[3,5-bis(1,1-
 dimethylethyl)-2-hydroxyphenyl]methylene]amino]cyclohexyl]imino]methyl]-5-
 (1,1-dimethylethyl)-4-hydroxyphenyl] ester (9CI)
 MF C71 H100 N4 O8

Absolute stereochemistry.
 Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

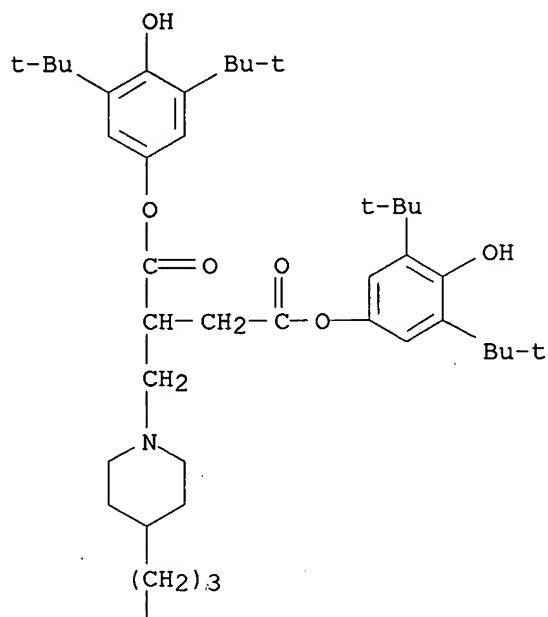
L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Hexanedioic acid, bis(4-hydroxy-3,5-dinitrophenyl) ester (9CI)
 MF C18 H14 N4 O14



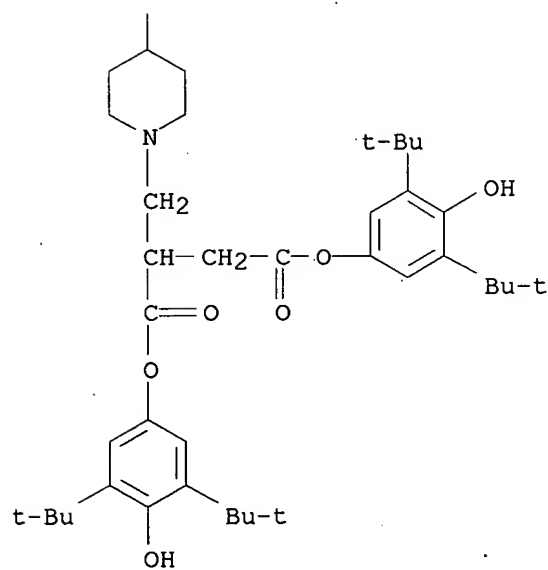
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Succinic acid, 2,2'-[trimethylenebis(4,1-piperidinediylmethylene)]di-,
 tetrakis(3,5-di-tert-butyl-4-hydroxyphenyl) ester (8CI)
 MF C79 H118 N2 O12

PAGE 1-A



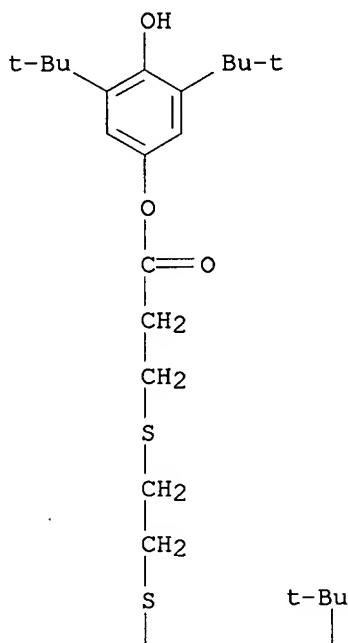
PAGE 2-A



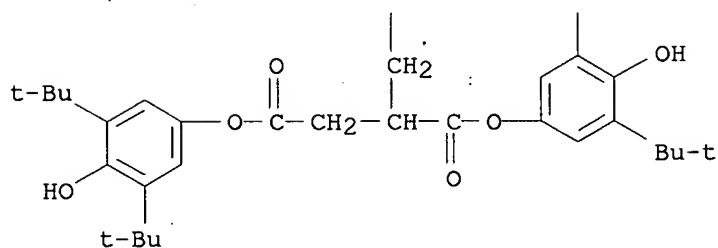
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Succinic acid, [[[2-[(2-carboxyethyl)thio]ethyl]thio]methyl]-,
tris(3,5-di-tert-butyl-4-hydroxyphenyl) ester (8CI)
MF C52 H76 O9 S2

PAGE 1-A



PAGE 2-A



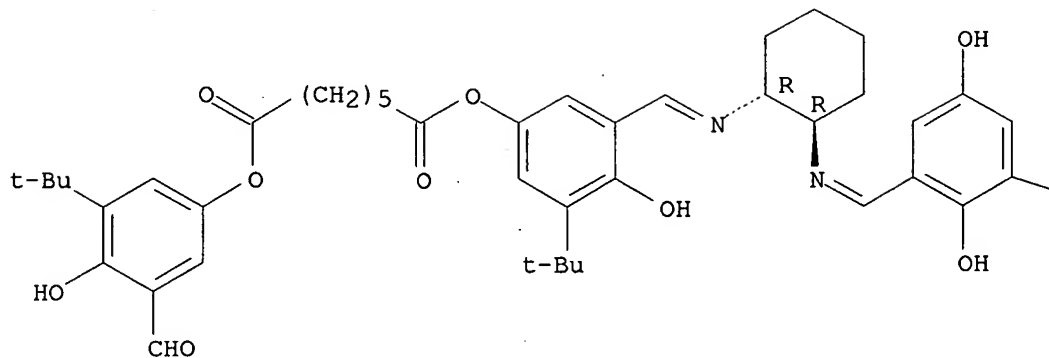
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Heptanedioic acid, 3-(1,1-dimethylethyl)-5-[[[(1R,2R)-2-[[[3-(1,1-
dimethylethyl)-2,5-dihydroxyphenyl]methylene]amino]cyclohexyl]imino]methyl
]-4-hydroxyphenyl 3-(1,1-dimethylethyl)-5-formyl-4-hydroxyphenyl ester

(9CI)
MF C46 H60 N2 O9

Absolute stereochemistry.
Double bond geometry unknown.

PAGE 1-A

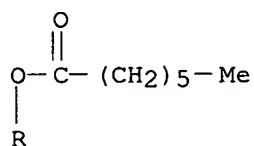
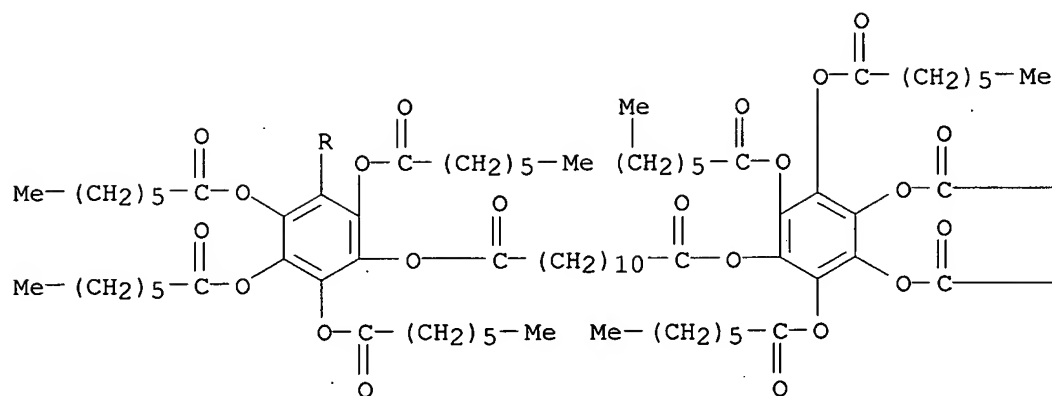


PAGE 1-B

Bu-t

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Dodecanedioic acid, bis[pentakis[(1-oxoheptyl)oxy]phenyl] ester (9CI)
MF C94 H150 O24

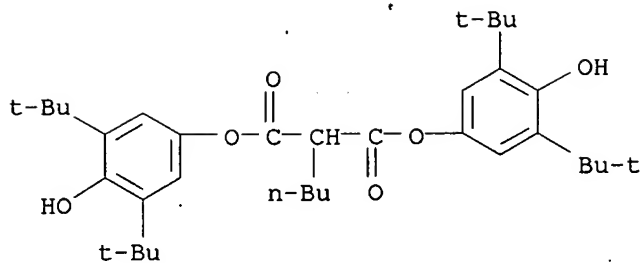


— (CH₂)₅—Me

— (CH₂)₅—Me

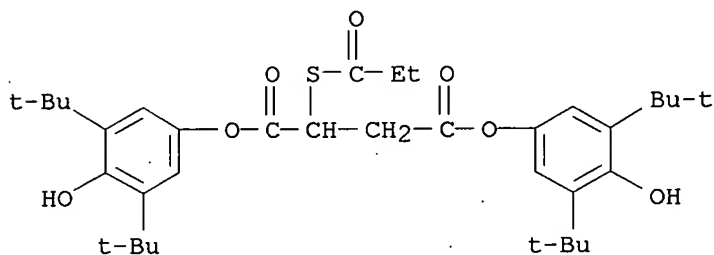
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Malonic acid, butyl-, bis(3,5-di-tert-butyl-4-hydroxyphenyl) ester (8CI)
 MF C35 H52 O6



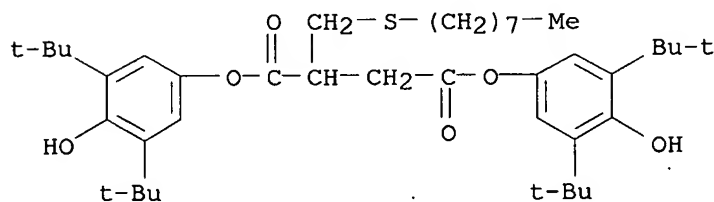
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Succinic acid, mercapto-, bis(3,5-di-tert-butyl-4-hydroxyphenyl) ester,
 2-propionate (8CI)
 MF C35 H50 O7 S



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Succinic acid, [(octylthio)methyl]-, bis(3,5-di-tert-butyl-4-hydroxyphenyl) ester (8CI)
 MF C41 H64 O6 S

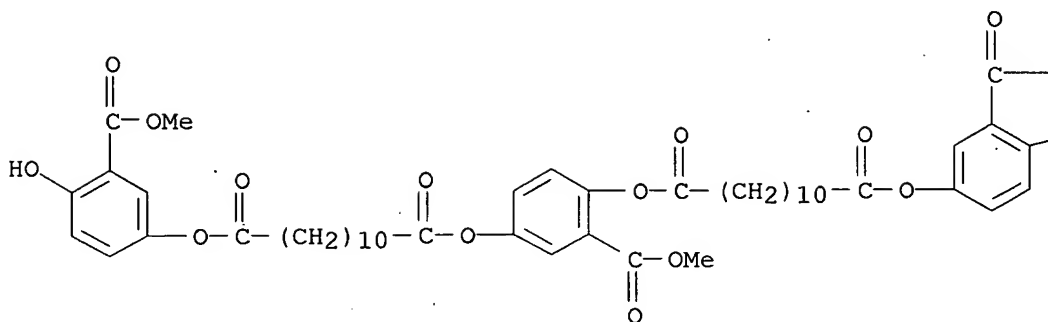


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Dodecanedioic acid, 2-(methoxycarbonyl)-1,4-phenylene bis[4-hydroxy-3-(methoxycarbonyl)phenyl] ester (9CI)

MF C48 H60 O16

PAGE 1-A



PAGE 1-B

— OMe

— OH

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS

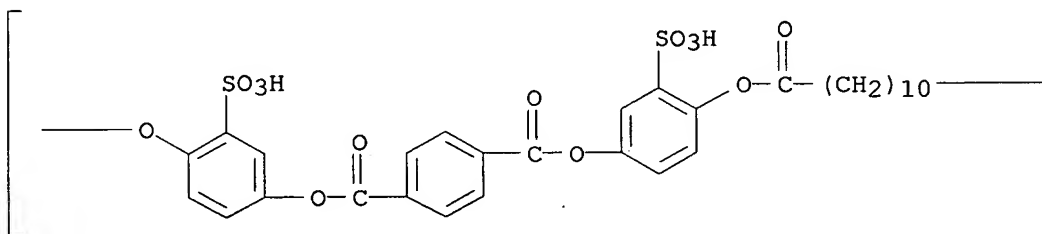
IN Poly[oxy(2-sulfo-1,4-phenylene)oxycarbonyl-1,4-phenylenecarbonyloxy(3-sulfo-1,4-phenylene)oxy(1,12-dioxo-1,12-dodecanediyl) dipotassium salt] (9CI)

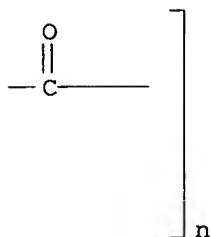
MF (C32 H32 O14 S2)n . 2 K

CI PMS

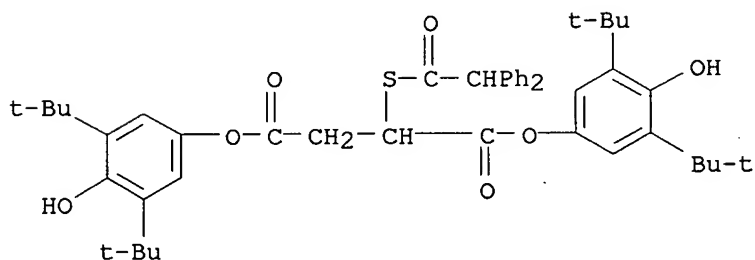
RELATED POLYMERS AVAILABLE WITH POLYLINK

PAGE 1-A





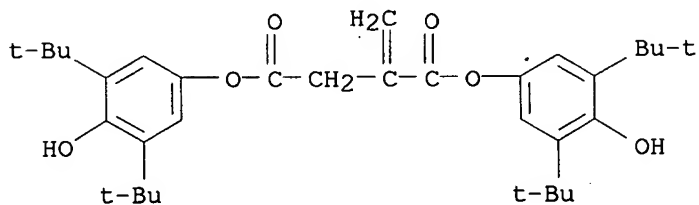
L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Succinic acid, mercapto-, bis(3,5-di-tert-butyl-4-hydroxyphenyl) ester,
 2-(diphenylacetate) (8CI)
 MF C46 H56 O7 S



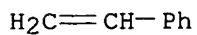
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Succinic acid, methylene-, bis(3,5-di-tert-butyl-4-hydroxyphenyl) ester,
 polymer with styrene (8CI)
 MF (C33 H46 O6 . C8 H8)x
 CI PMS

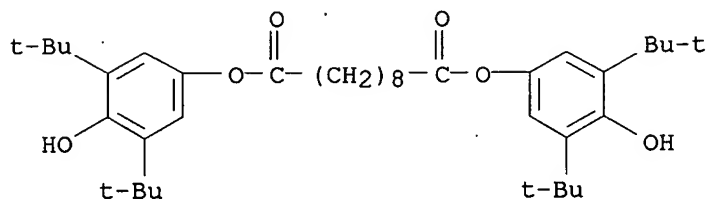
CM 1



CM 2

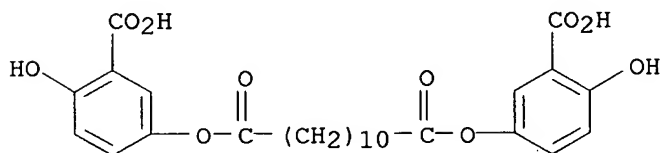


L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Decanedioic acid, bis[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl] ester (9CI)
 MF C38 H58 O6



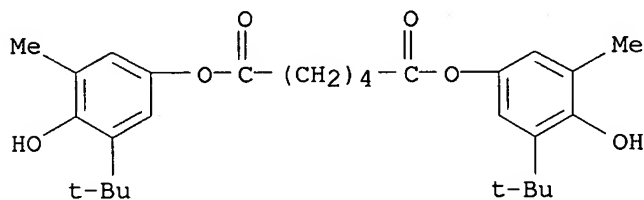
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Dodecanedioic acid, bis(3-carboxy-4-hydroxyphenyl) ester (9CI)
 MF C26 H30 O10



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

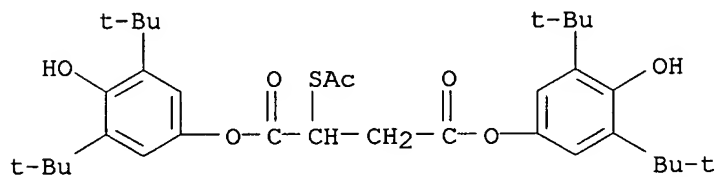
L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Hexanedioic acid, bis[3-(1,1-dimethylethyl)-4-hydroxy-5-methylphenyl] ester (9CI)
 MF C28 H38 O6



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):20

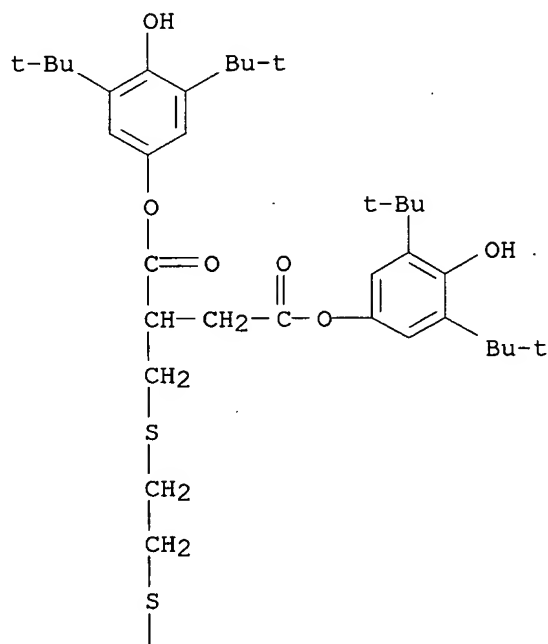
L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Succinic acid, mercapto-, bis(3,5-di-tert-butyl-4-hydroxyphenyl) ester,
 2-acetate (8CI)
 MF C34 H48 O7 S

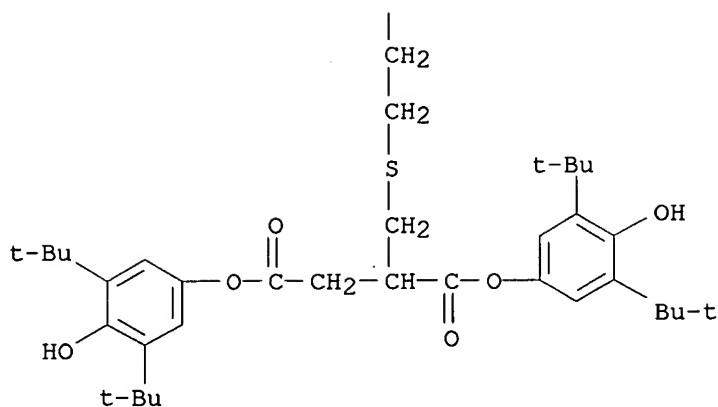


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Succinic acid, 2,2'-[thiobis(ethylenethiomethylene)]di-,
 tetrakis(3,5-di-tert-butyl-4-hydroxyphenyl) ester (8CI)
 MF C70 H102 O12 S3

PAGE 1-A

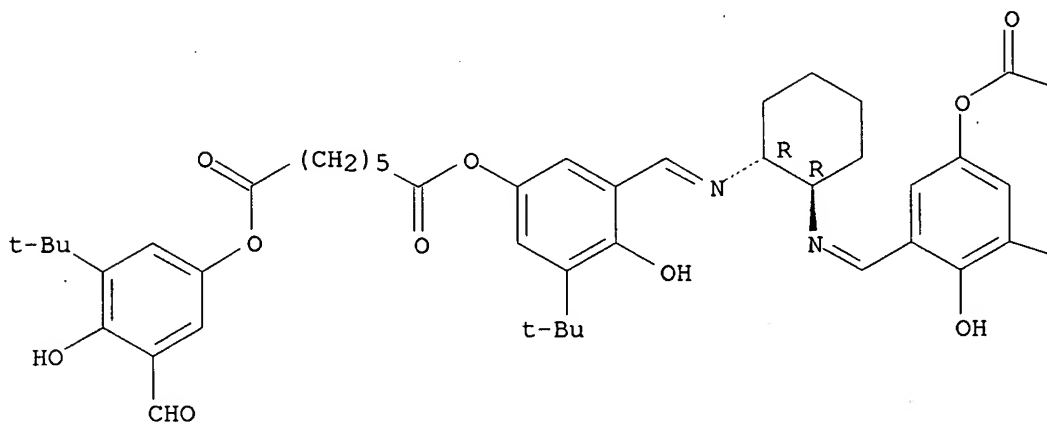


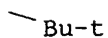
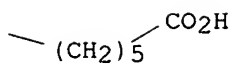


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Heptanedioic acid,
 3-[[[(1R,2R)-2-[[[5-[(6-carboxy-1-oxohexyl)oxy]-3-(1,1-dimethylethyl)-2-hydroxyphenyl]methylene]amino]cyclohexyl]imino]methyl]-5-(1,1-dimethylethyl)-4-hydroxyphenyl 3-(1,1-dimethylethyl)-5-formyl-4-hydroxyphenyl ester (9CI)
 MF C53 H70 N2 O12

Absolute stereochemistry.
 Double bond geometry unknown.



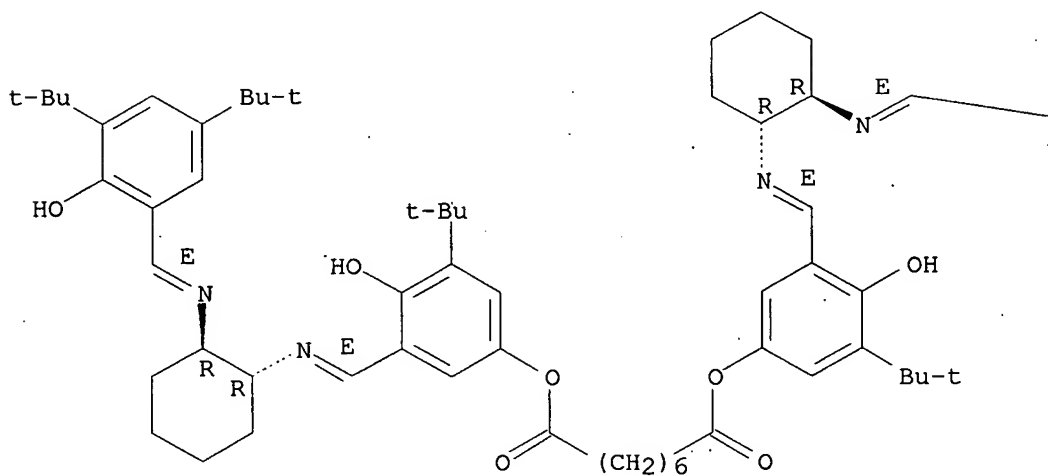


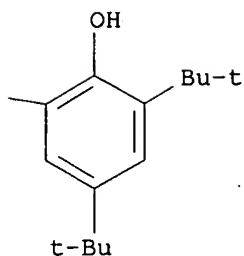
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Octanedioic acid,
 bis[3-[(E)-[[[(1R,2R)-2-[(E)-[[3,5-bis(1,1-dimethylethyl)-
 2-hydroxyphenyl]methylene]amino]cyclohexyl]imino]methyl]-5-(1,1-
 dimethylethyl)-4-hydroxyphenyl] ester (9CI)
 MF C72 H102 N4 O8

Absolute stereochemistry.
 Double bond geometry as shown.

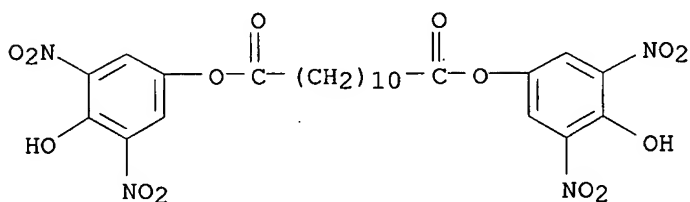
PAGE 1-A





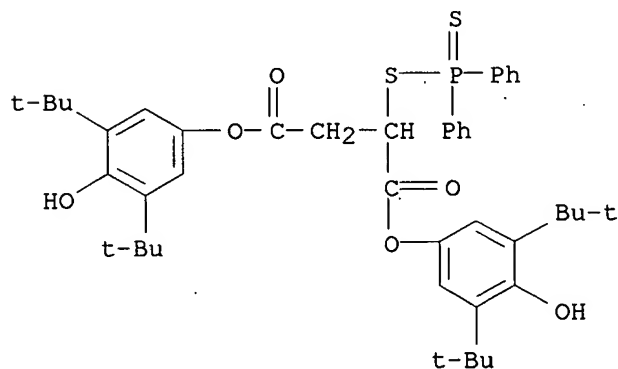
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Dodecanedioic acid, bis(4-hydroxy-3,5-dinitrophenyl) ester (9CI)
 MF C24 H26 N4 O14



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

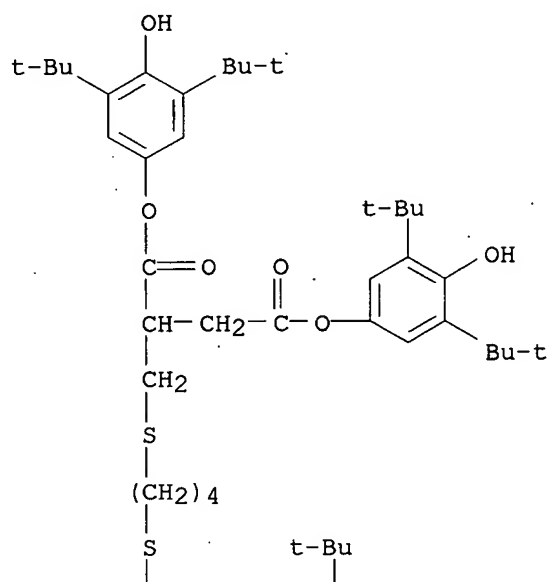
L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Succinic acid, mercapto-, bis(3,5-di-tert-butyl-4-hydroxyphenyl) ester,
 2-(diphenylphosphinodithioate) (8CI)
 MF C44 H55 O6 P S2



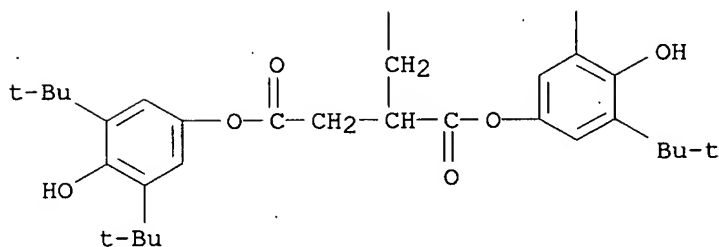
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Succinic acid, 2,2'-[tetramethylenebis(thiomethylene)]di-,
 tetrakis(3,5-di-tert-butyl-4-hydroxyphenyl) ester (8CI)
 MF C70 H102 O12 S2

PAGE 1-A



PAGE 2-A

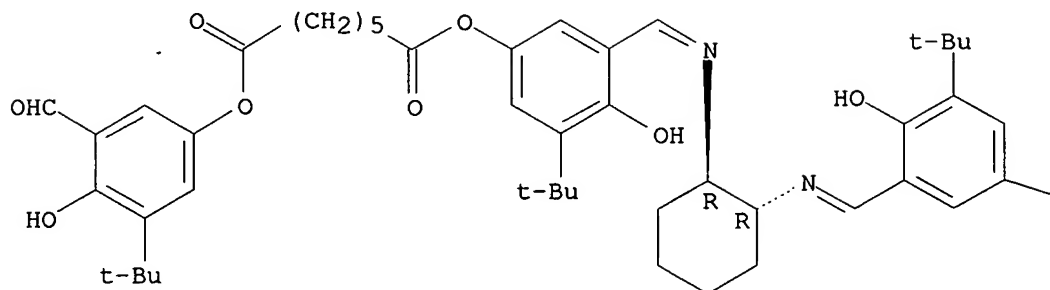


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

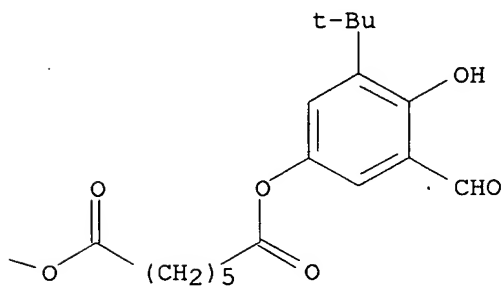
L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Heptanedioic acid, (1R,2R)-1,2-cyclohexanediylbis[nitrilomethylidene[5-(1,1-dimethylethyl)-4-hydroxy-3,1-phenylene]]
 bis[3-(1,1-dimethylethyl)-5-formyl-4-hydroxyphenyl] ester (9CI)
 MF C64 H82 N2 O14

Absolute stereochemistry.
Double bond geometry unknown.

PAGE 1-A

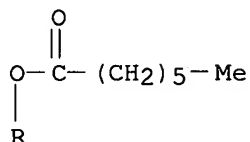
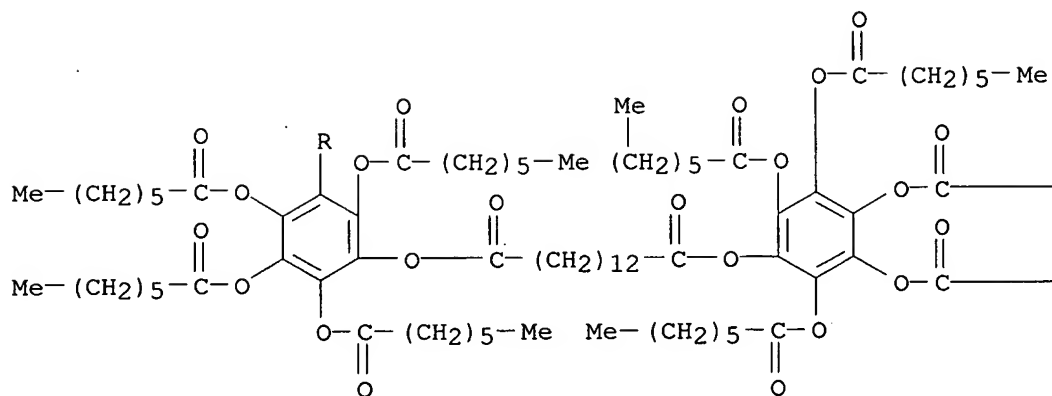


PAGE 1-B



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Tetradecanedioic acid, bis[pentakis[(1-oxoheptyl)oxy]phenyl] ester (9CI)
MF C96 H154 O24

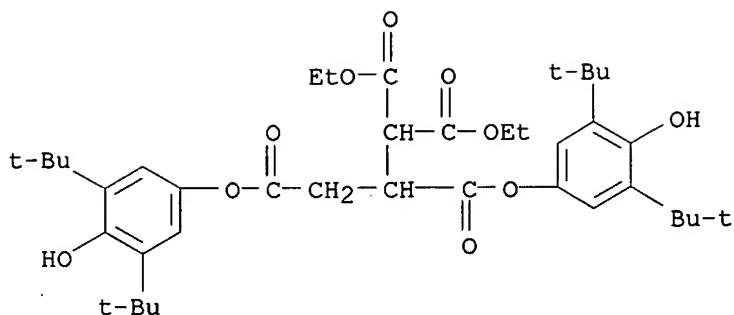


— (CH₂)₅—Me

— (CH₂)₅—Me

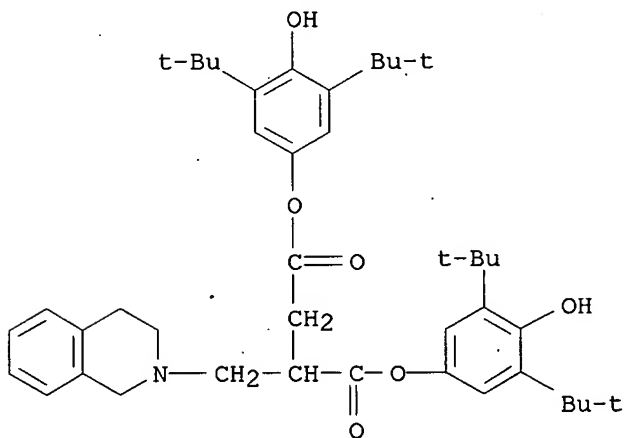
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN 1,1,2,3-Propanetetracarboxylic acid, 2,3-bis(3,5-di-tert-butyl-4-hydroxyphenyl) diethyl ester (8CI)
 MF C39 H56 O10



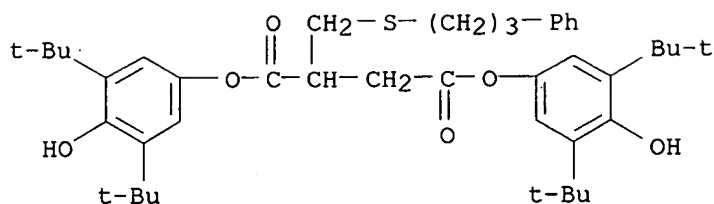
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Succinic acid, [(3,4-dihydro-2(1H)-isoquinolyl)methyl]-,
 bis(3,5-di-tert-butyl-4-hydroxyphenyl) ester (8CI)
 MF C42 H57 N O6



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

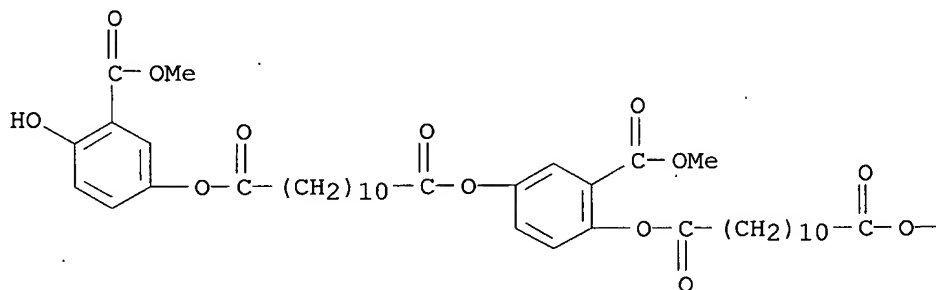
L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Succinic acid, [[(3-phenylpropyl)thio]methyl]-, bis(3,5-di-tert-butyl-4-
 hydroxyphenyl) ester (8CI)
 MF C42 H58 O6 S



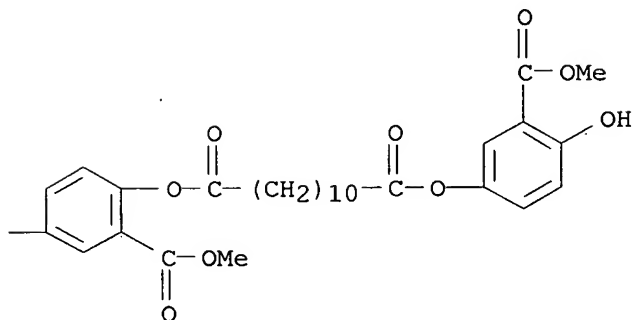
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Dodecanedioic acid, 4-[[12-[4-hydroxy-3-(methoxycarbonyl)phenoxy]-1,12-dioxododecyl]oxy]-2-(methoxycarbonyl)phenyl 4-[[12-[4-hydroxy-3-(methoxycarbonyl)phenoxy]-1,12-dioxododecyl]oxy]-3-(methoxycarbonyl)phenyl ester (9CI)
 MF C68 H86 O22

PAGE 1-A



PAGE 1-B

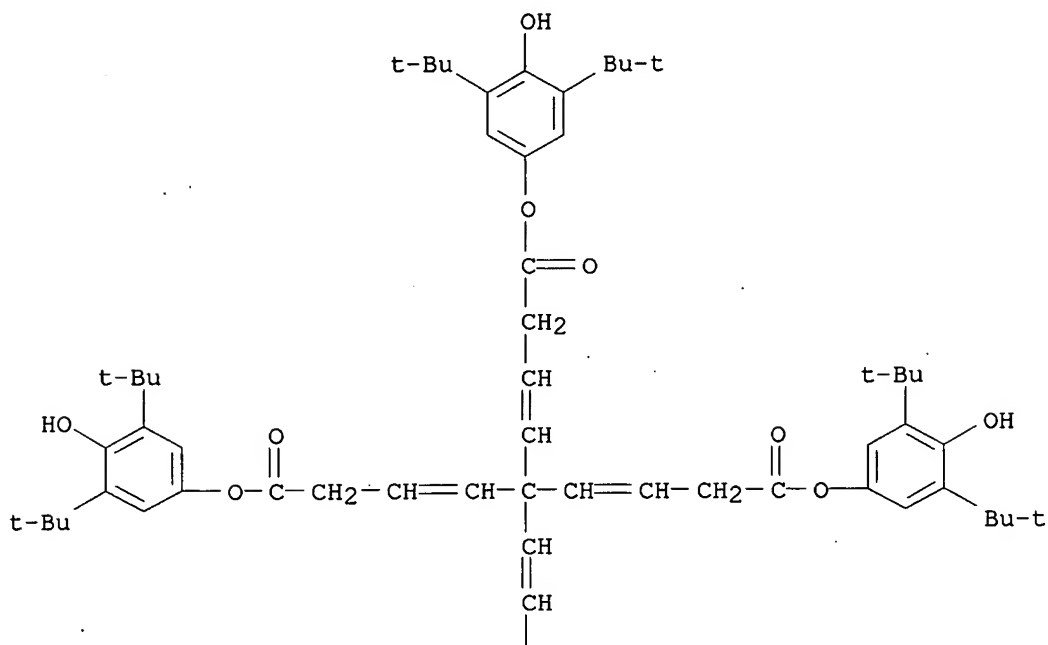


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

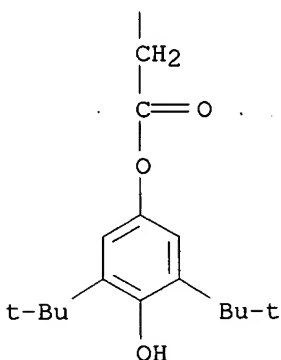
L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN 3,6-Nonadienedioic acid, 5,5-bis[4-[3,5-bis(1,1-dimethylethyl)-4-

hydroxyphenoxy]-4-oxo-1-butenyl]-, bis[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl] ester (9CI)
 MF C73 H100 O12

PAGE 1-A

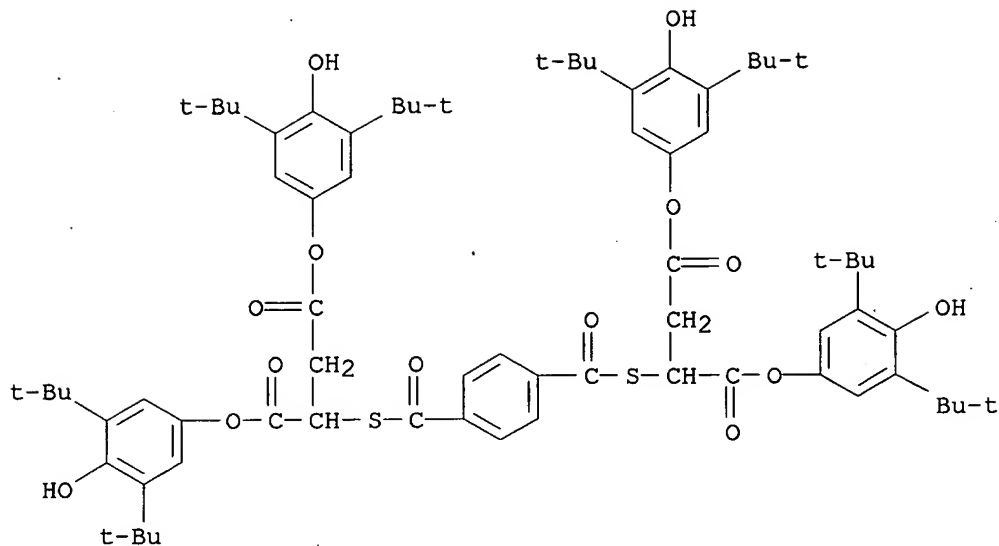


PAGE 2-A



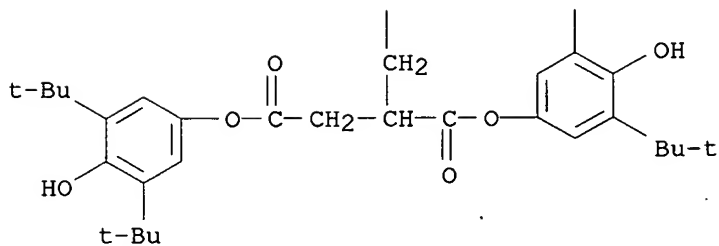
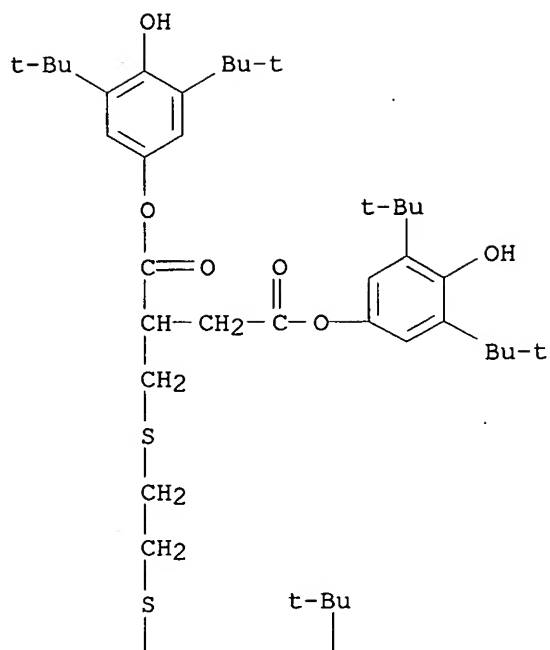
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Terephthalic acid, 1,4-dithio-, S,S-diester with bis(3,5-di-tert-butyl-4-hydroxyphenyl) mercaptosuccinate (8CI)
 MF C72 H94 O14 S2



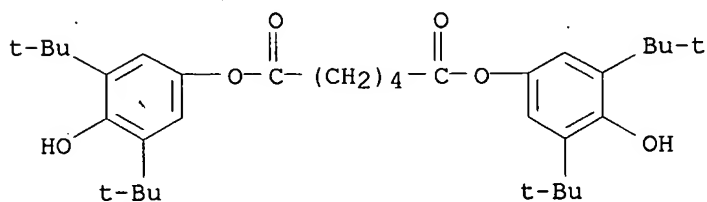
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Succinic acid, 2,2'-[ethylenebis(thiomethylene)]di-,
 tetrakis(3,5-di-tert-
 butyl-4-hydroxyphenyl) ester (8CI)
 MF C68 H98 O12 S2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

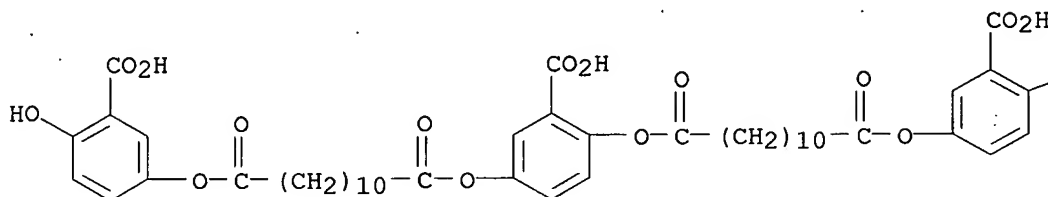
L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Adipic acid, bis(3,5-di-tert-butyl-4-hydroxyphenyl) ester (7CI, 8CI)
 MF C34 H50 O6



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Dodecanedioic acid, 2-carboxy-1,4-phenylene
bis(3-carboxy-4-hydroxyphenyl)
ester (9CI)
MF C45 H54 O16

PAGE 1-A

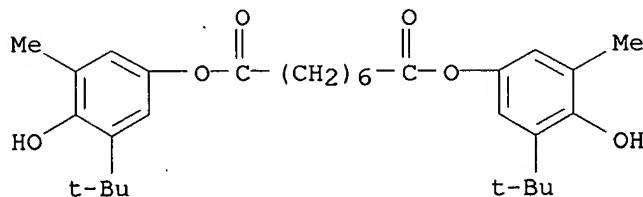


PAGE 1-B

OH

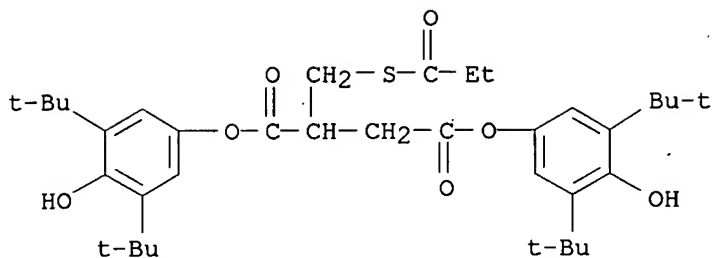
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Octanedioic acid, bis[3-(1,1-dimethylethyl)-4-hydroxy-5-methylphenyl]
ester (9CI)
MF C30 H42 O6



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Succinic acid, (mercaptomethyl)-, bis(3,5-di-tert-butyl-4-hydroxyphenyl)
ester, 2-propionate (8CI)
MF C36 H52 O7 S

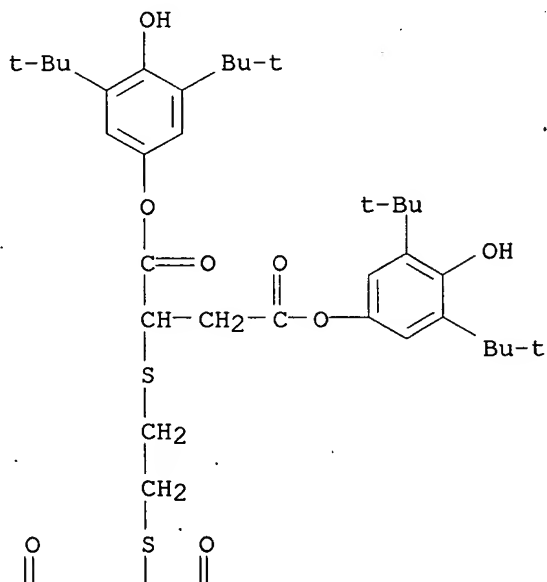


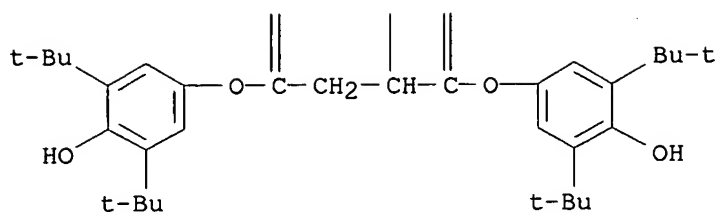
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):20

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Succinic acid, (ethylenedithio)di-, tetrakis(3,5-di-tert-butyl-4-hydroxyphenyl) ester (8CI)
 MF C66 H94 O12 S2

PAGE 1-A



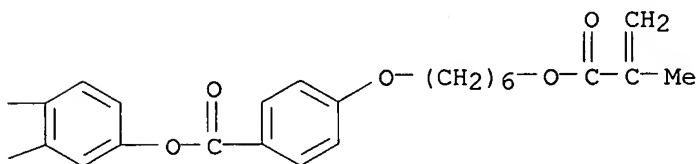
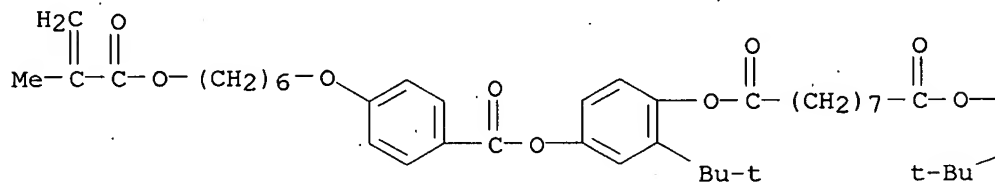


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS

IN Nonanedioic acid, bis[2-(1,1-dimethylethyl)-4-[[4-[[6-[(2-methyl-1-oxo-2-propenyl)oxy]hexyl]oxy]benzoyl]oxy]phenyl] ester (9CI)

MF C63 H80 O14



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS

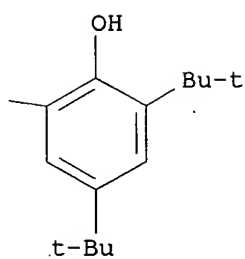
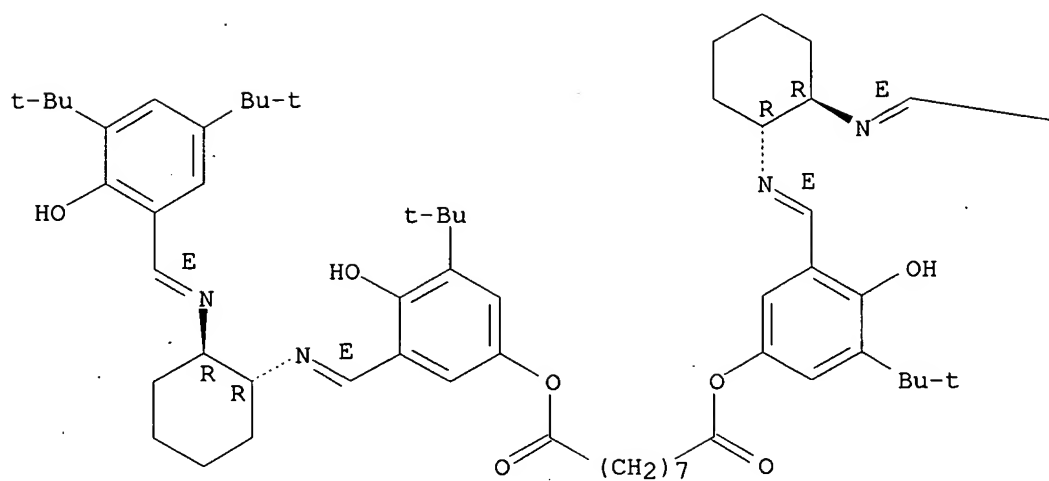
IN Nonanedioic acid,

bis[3-[(E)-[[[(1R,2R)-2-[(E)-[[3,5-bis(1,1-dimethylethyl)-2-hydroxyphenyl]methylene]amino]cyclohexyl]imino]methyl]-5-(1,1-dimethylethyl)-4-hydroxyphenyl] ester (9CI)

MF C73 H104 N4 O8

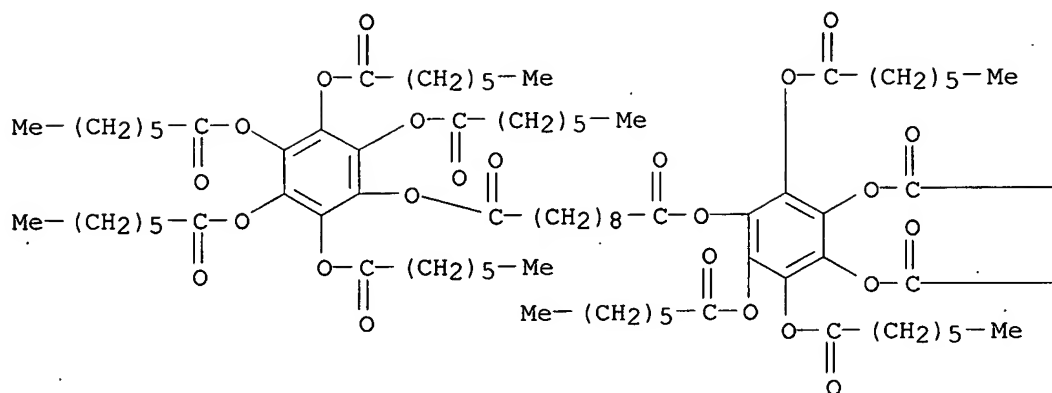
Absolute stereochemistry.

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Decanedioic acid, bis[pentakis[(1-oxoheptyl)oxy]phenyl] ester (9CI)
 MF C92 H146 O24

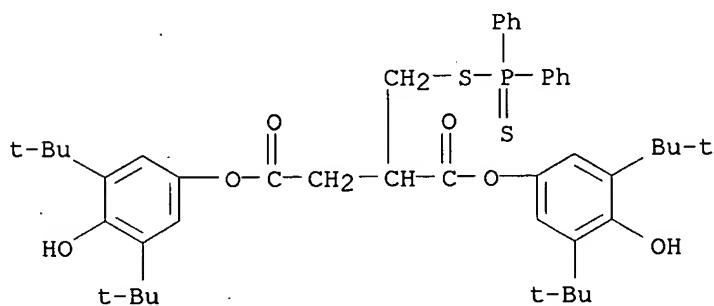


— (CH₂)₅—Me

— (CH₂)₅—Me

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

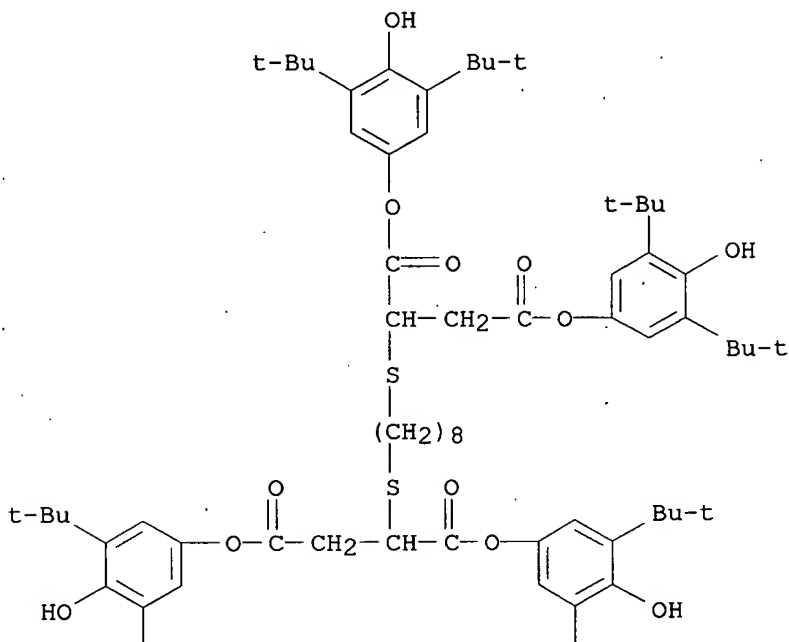
L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Succinic acid, (mercaptomethyl)-, bis(3,5-di-tert-butyl-4-hydroxyphenyl)
 ester, 2-(diphenylphosphinodithioate) (8CI)
 MF C45 H57 O6 P S2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Succinic acid, 2,2'-(octamethylenedithio)di-,
 tetrakis(3,5-di-tert-butyl-4-
 hydroxyphenyl) ester (8CI)
 MF C72 H106 O12 S2

PAGE 1-A



PAGE 2-A

t-Bu

t-Bu

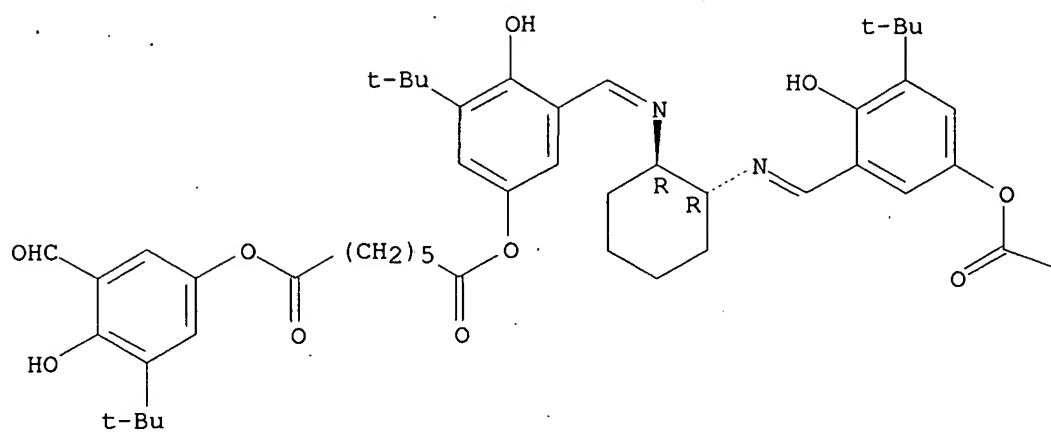
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY . COPYRIGHT 2003 ACS
 IN Heptanedioic acid, bis[3-(1,1-dimethylethyl)-5-[[[(1R,2R)-2-[[[3-(1,1-
 dimethylethyl)-5-[[7-[3-(1,1-dimethylethyl)-5-formyl-4-hydroxyphenoxy]-1,7-
 dioxoheptyl]oxy]-2-hydroxyphenyl]methylene]amino]cyclohexyl]imino]methyl]-
 4-hydroxyphenyl] ester (9CI)
 MF C99 H128 N4 O20

Absolute stereochemistry.

Double bond geometry unknown.

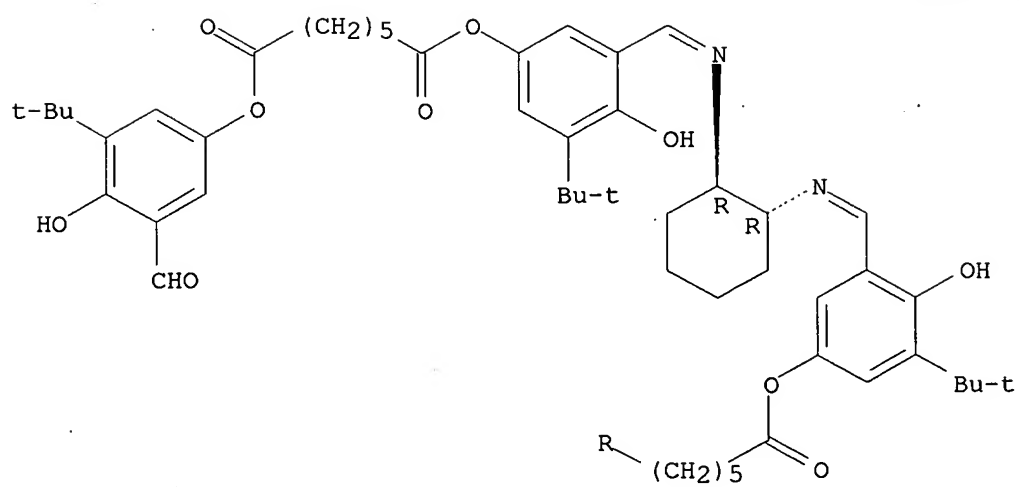
PAGE 1-A



PAGE 1-B

— R

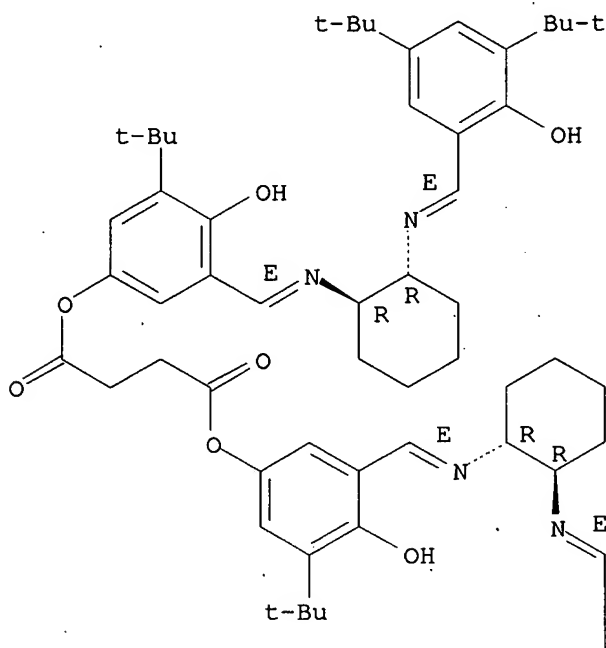
PAGE 2-A



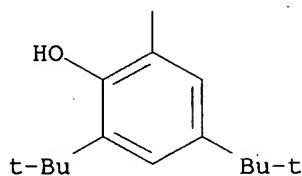
L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Butanedioic acid,
 bis[3-[(E)-[(1R,2R)-2-[(E)-[3,5-bis(1,1-dimethylethyl)-
 2-hydroxyphenyl]methylene]amino]cyclohexyl]imino]methyl]-5-(1,1-
 dimethylethyl)-4-hydroxyphenyl] ester (9CI)
 MF C68 H94 N4 O8

Absolute stereochemistry.
 Double bond geometry as shown.

PAGE 1-A

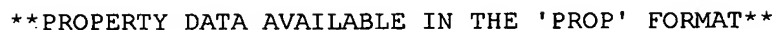


PAGE 2-A



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN 1,2,3-Propanetricarboxylic acid, 1,2-bis(3,5-di-tert-butyl-4-
 hydroxyphenyl) ethyl ester (8CI)
 MF C36 H52 O8

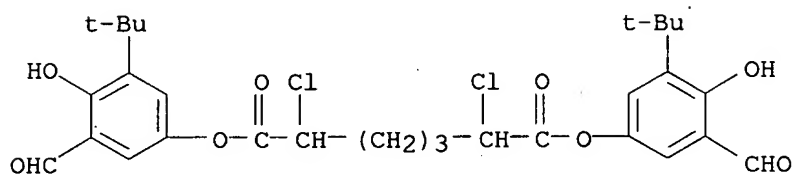
CC(C)(C)c1cc(O)cc(OC(=O)CNC2CCN(CC2)CCc3ccccc3)c1

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

$$\begin{array}{c} \text{t-Bu} \\ | \\ \text{C}_6\text{H}_3(\text{OH})(\text{t-Bu}) - \text{O} - \text{C}(=\text{O}) - \text{CH}(\text{S}-(\text{CH}_2)_{11}\text{Me}) - \text{CH}_2 - \text{C}(=\text{O}) - \text{O} - \text{C}_6\text{H}_3(\text{OH})(\text{t-Bu}) \\ | \qquad \qquad \qquad | \\ \text{HO} \qquad \qquad \qquad \text{t-Bu} \end{array}$$

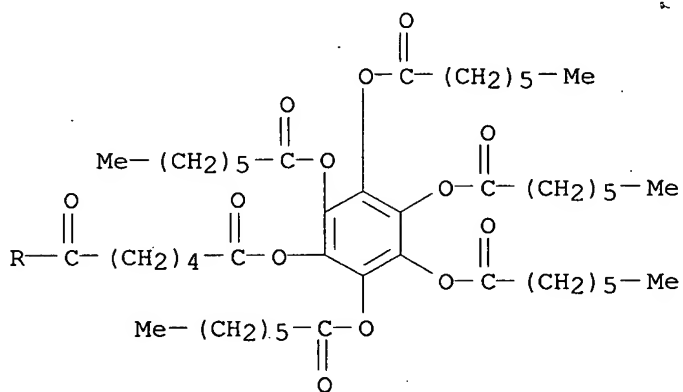
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Heptanedioic acid, 2,6-dichloro-, bis[3-(1,1-dimethylethyl)-5-formyl-4-hydroxyphenyl] ester (9CI)
 MF C29 H34 Cl2 O8

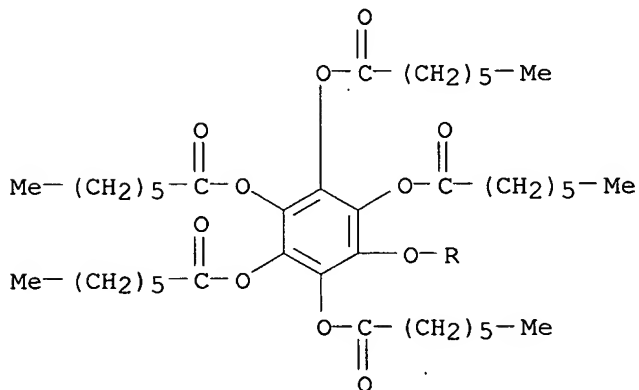


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Hexanedioic acid, bis[pentakis[(1-oxoheptyl)oxy]phenyl] ester (9CI)
 MF C88 H138 O24



PAGE 1-A

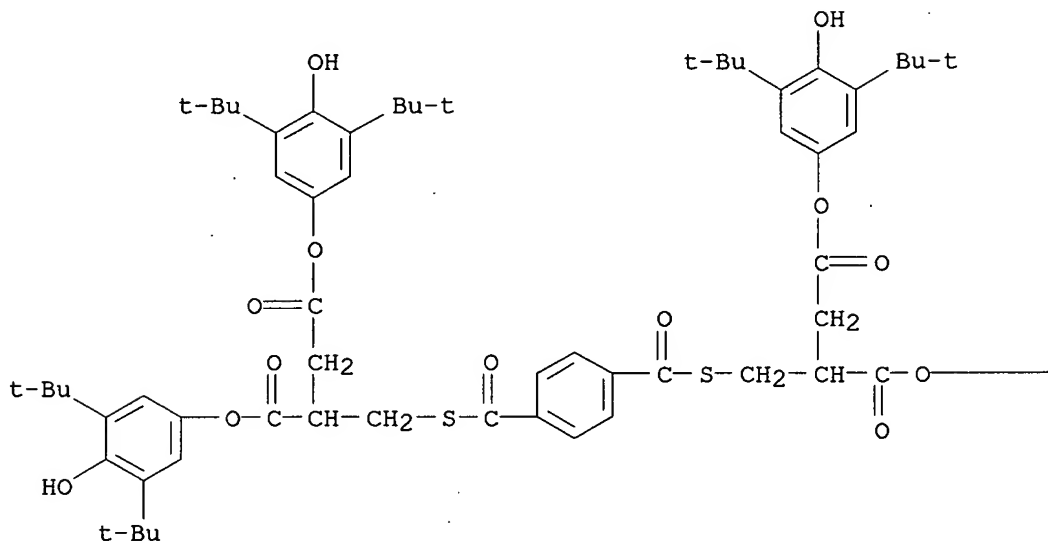


PAGE 2-A

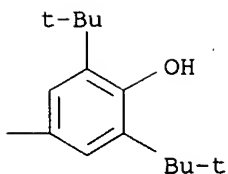
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Terephthalic acid, 1,4-dithio-, S,S-diester with bis(3,5-di-tert-butyl-4-hydroxyphenyl) (mercaptomethyl)succinate (8CI)
MF C74 H98 O14 S2

PAGE 1-A



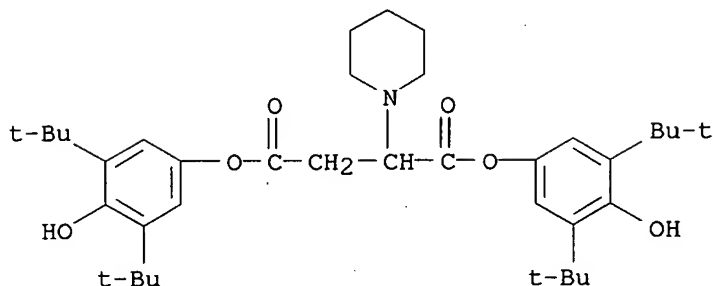
PAGE 1-B



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

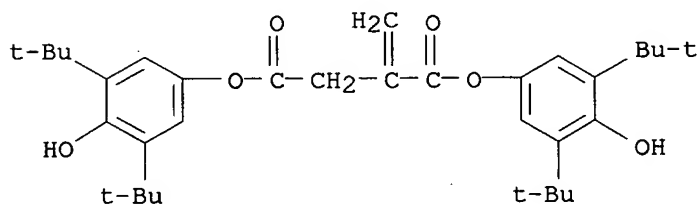
L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS

IN 1-Piperidinesuccinic acid, bis(3,5-di-tert-butyl-4-hydroxyphenyl) ester
(8CI)
MF C37 H55 N O6



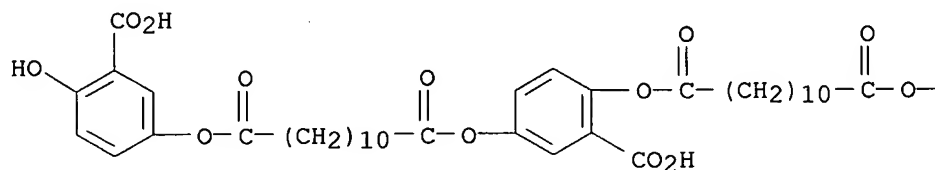
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Succinic acid, methylene-, bis(3,5-di-tert-butyl-4-hydroxyphenyl) ester
(8CI)
MF C33 H46 O6
CI COM

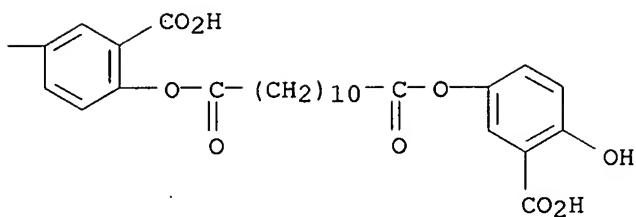


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

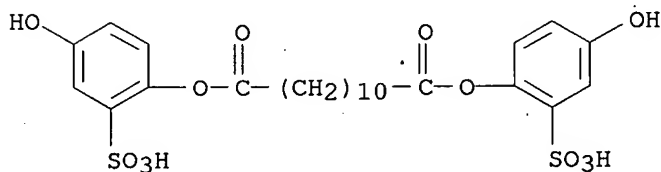
L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Dodecanedioic acid, 2-carboxy-4-[[12-(3-carboxy-4-hydroxyphenoxy)-1,12-dioxododecyl]oxy]phenyl
3-carboxy-4-[[12-(3-carboxy-4-hydroxyphenoxy)-1,12-dioxododecyl]oxy]phenyl ester (9CI)
MF C64 H78 O22



PAGE 1-A

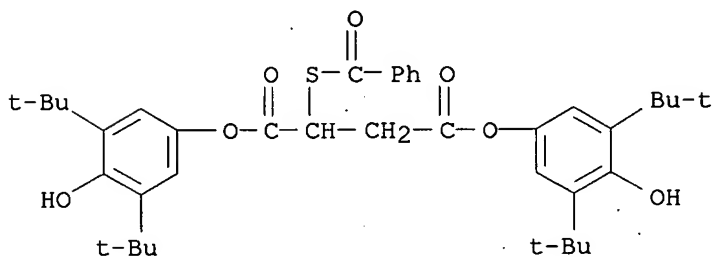


L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Dodecanedioic acid, bis(4-hydroxy-2-sulfophenyl) ester, dipotassium salt (9CI)
 MF C24 H30 O12 S2 . 2 K
 CI COM



● 2 K

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Succinic acid, mercapto-, bis(3,5-di-tert-butyl-4-hydroxyphenyl) ester, 2-benzoate (8CI)
 MF C39 H50 O7 S

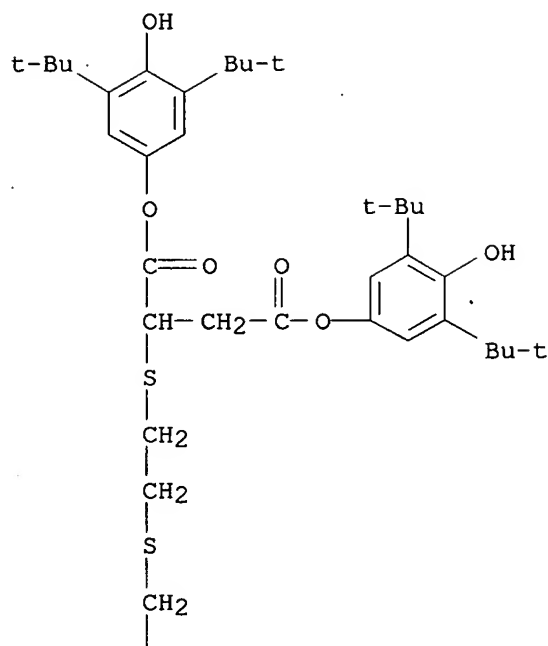


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

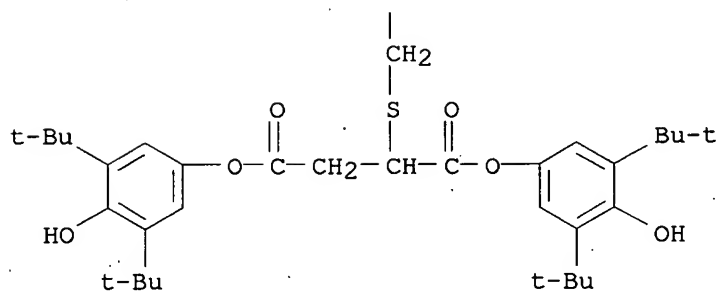
L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Succinic acid, 2,2'-[thiobis(ethylenethio)]di-, tetrakis(3,5-di-tert-butyl-

4-hydroxyphenyl) ester (8CI)
MF C68 H98 O12 S3

PAGE 1-A



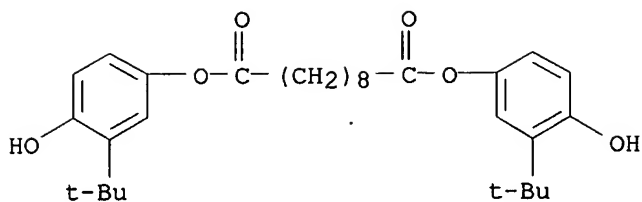
PAGE 2-A



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):20

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Sebacic acid, bis(3-tert-butyl-4-hydroxyphenyl) ester (7CI, 8CI)
MF C30 H42 O6

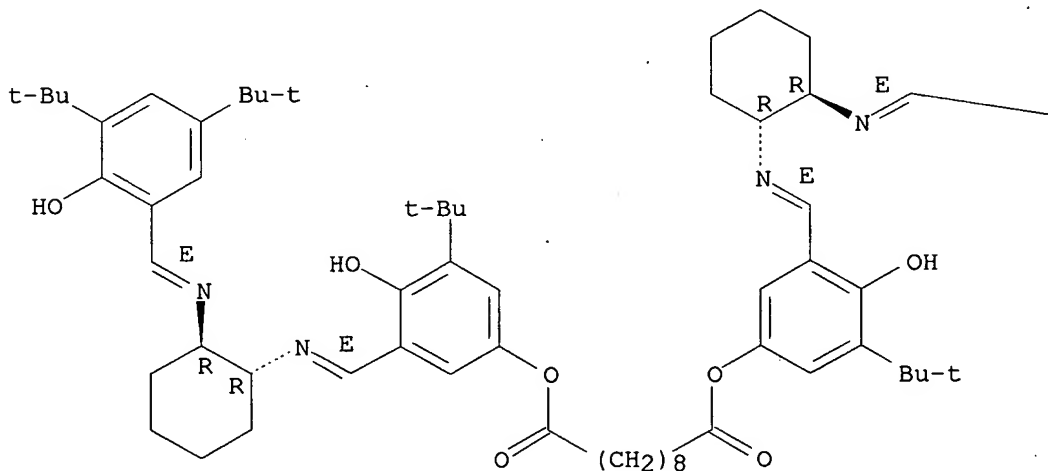


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

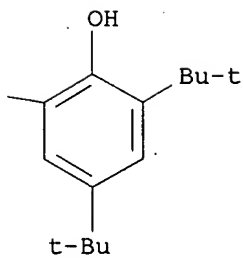
L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Decanedioic acid,
 bis[3-[(E)-[[[(1R,2R)-2-[(E)-[[3,5-bis(1,1-dimethylethyl)-
 2-hydroxyphenyl]methylene]amino]cyclohexyl]imino]methyl]-5-(1,1-
 dimethylethyl)-4-hydroxyphenyl] ester (9CI)
 MF C74 H106 N4 O8

Absolute stereochemistry.
 Double bond geometry as shown.

PAGE 1-A

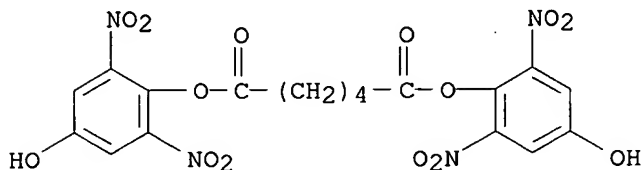


PAGE 1-B



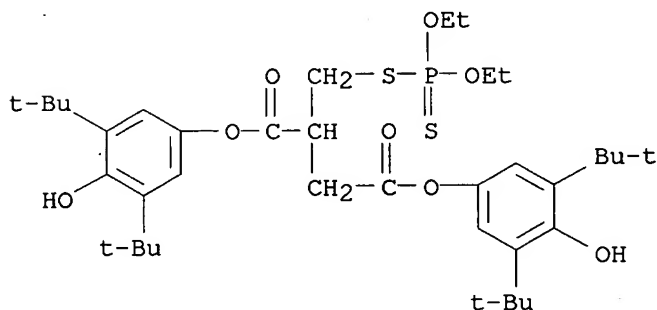
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Hexanedioic acid, bis(4-hydroxy-2,6-dinitrophenyl) ester (9CI)
MF C18 H14 N4 O14



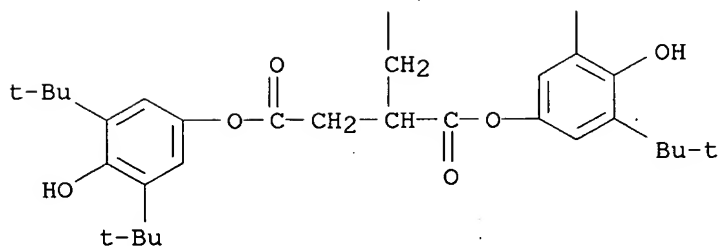
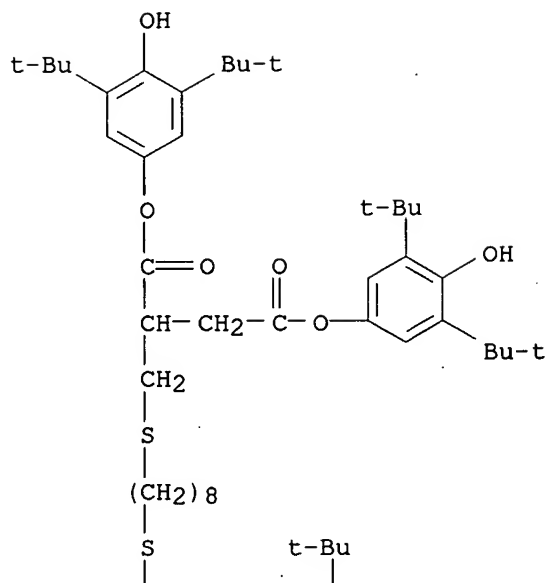
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Succinic acid, (mercaptomethyl)-, bis(3,5-di-tert-butyl-4-hydroxyphenyl)
ester, S-ester with O,O-diethyl phosphorodithioate (8CI)
MF C37 H57 O8 P S2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Succinic acid, 2,2'-[(octamethylenebis(thiomethylene)]di-,
tetrakis(3,5-di-tert-butyl-4-hydroxyphenyl) ester (8CI)
MF C74 H110 O12 S2

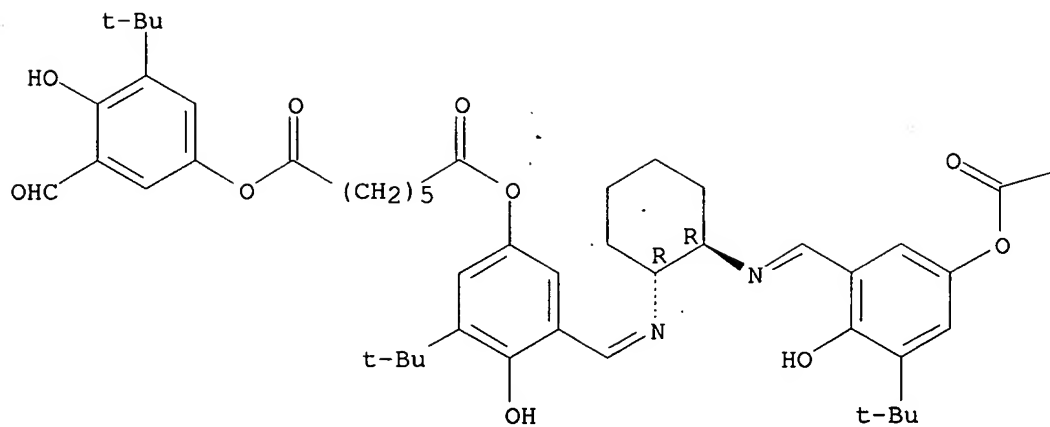


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

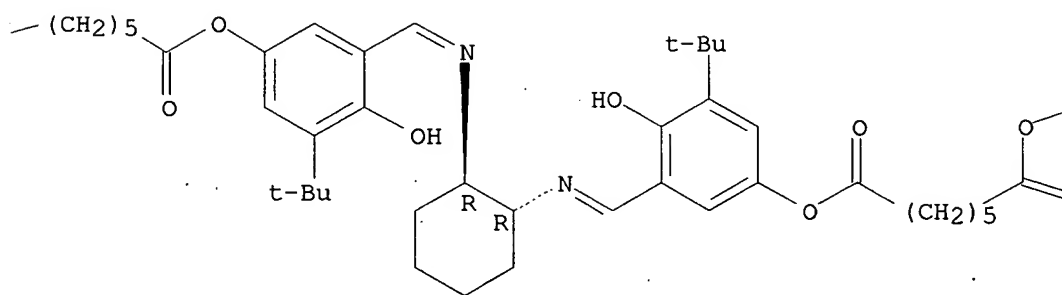
L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Heptanedioic acid, (1R,2R)-1,2-cyclohexanediylbis[nitrilomethylidene[5-(1,1-dimethylethyl)-4-hydroxy-3,1-phenylene]]
 bis[3-(1,1-dimethylethyl)-5-
 [[[(1R,2R)-2-[[[3-(1,1-dimethylethyl)-5-[[7-[3-(1,1-dimethylethyl)-5-formyl-4-hydroxyphenoxy]-1,7-dioxoheptyl]oxy]-2-hydroxyphenyl]methylene]amino]cyclohexyl]imino]methyl]-4-hydroxyphenyl]
 ester (9CI)
 MF C134 H174 N6 O26

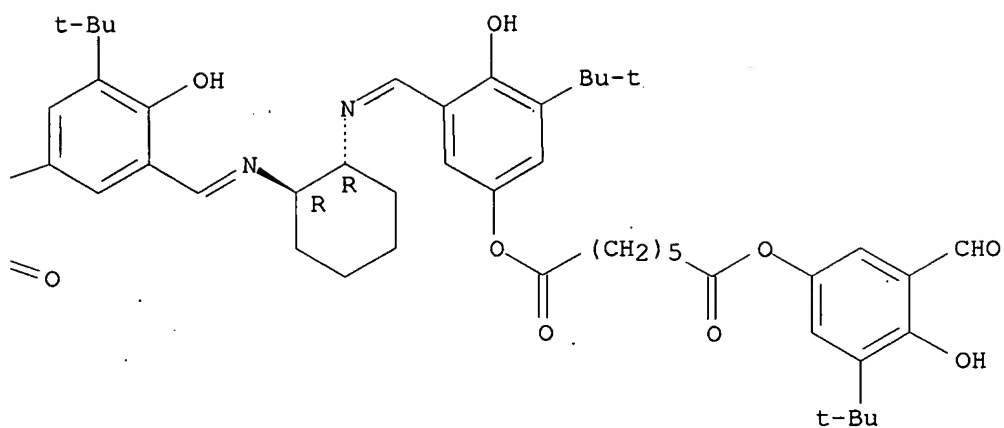
Absolute stereochemistry.
 Double bond geometry unknown.

PAGE 1-A



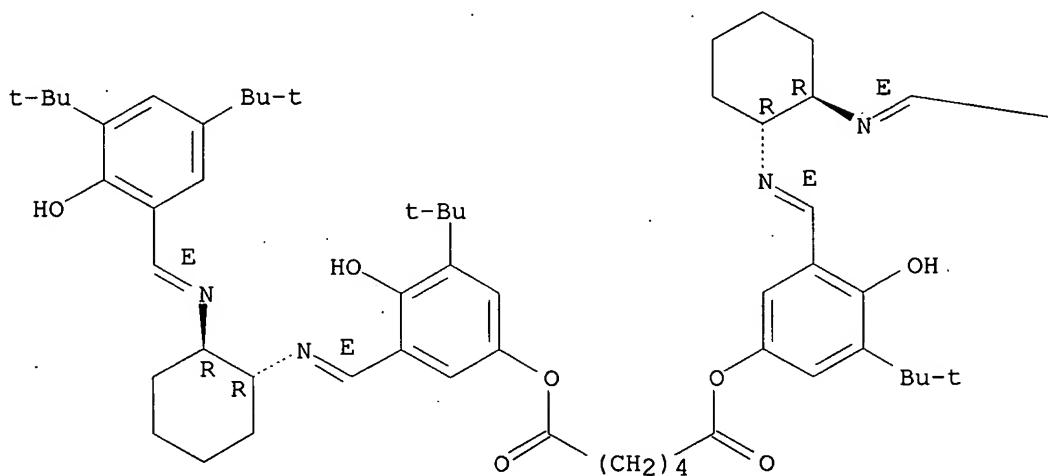
PAGE 1-B

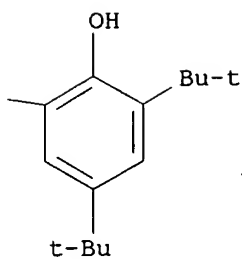




L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Hexanedioic acid,
 bis[3-[(E)-[[[(1R,2R)-2-[(E)-[[3,5-bis(1,1-dimethylethyl)-
 2-hydroxyphenyl]methylene]amino]cyclohexyl]imino]methyl]-5-(1,1-
 dimethylethyl)-4-hydroxyphenyl] ester (9CI)
 MF C70 H98 N4 O8

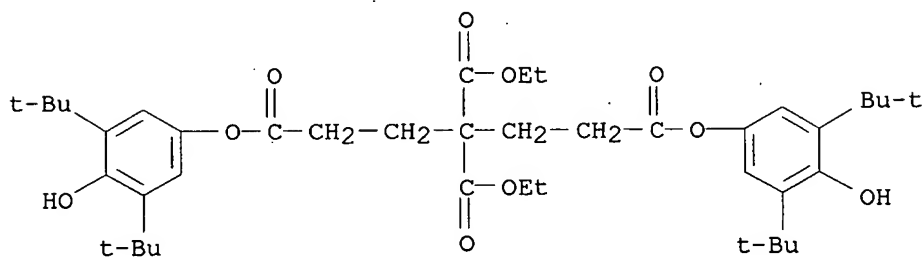
Absolute stereochemistry.
 Double bond geometry as shown.





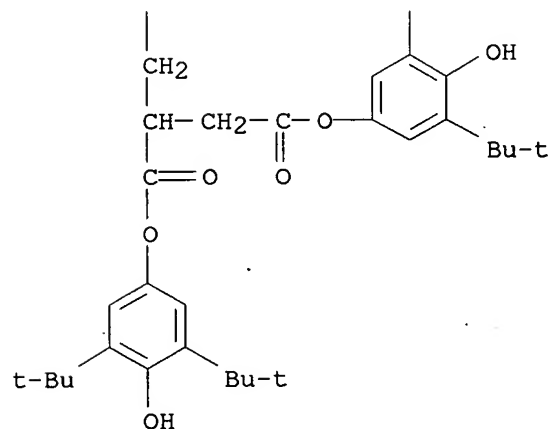
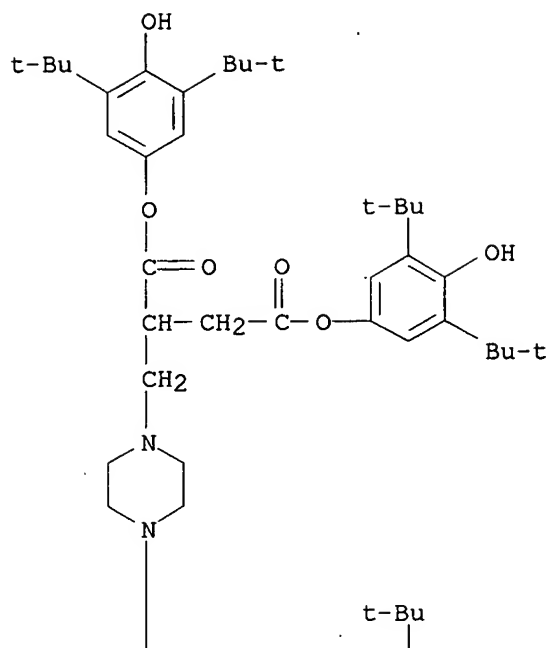
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN 1,3,3,5-Pentanetetracarboxylic acid, 1,5-bis(3,5-di-tert-butyl-4-hydroxyphenyl) diethyl ester (8CI)
 MF C41 H60 O10



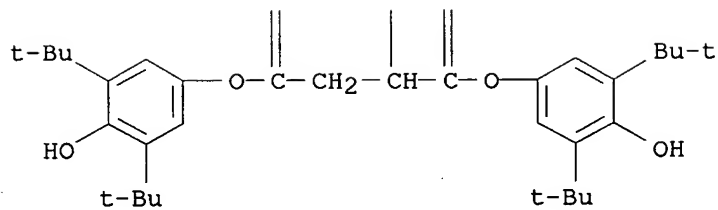
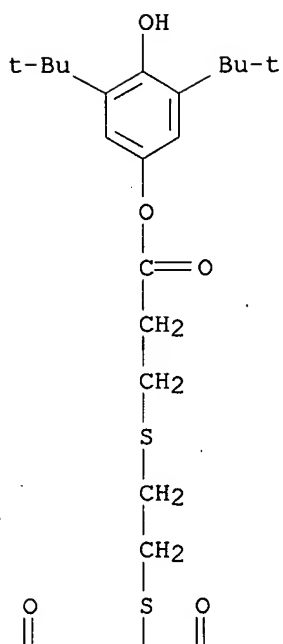
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Succinic acid, 2,2'-(1,4-piperazinediylldimethylene)di-, tetrakis(3,5-di-tert-butyl-4-hydroxyphenyl) ester (8CI)
 MF C70 H102 N2 O12



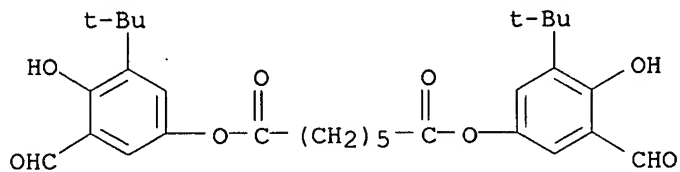
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Succinic acid, [[2-[(2-carboxyethyl)thio]ethyl]thio]-,
 tris(3,5-di-tert-butyl-4-hydroxyphenyl) ester (8CI)
 MF C51 H74 O9 S2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

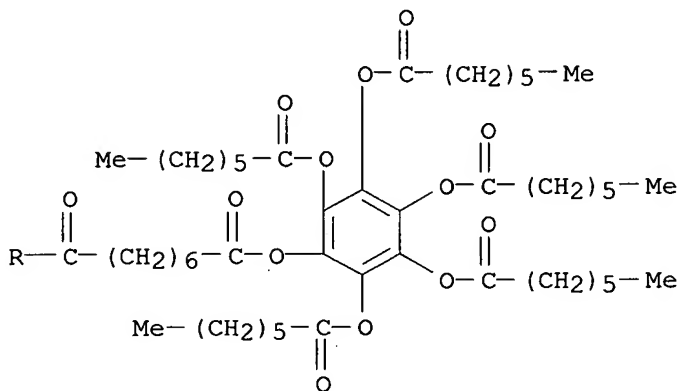
L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Heptanedioic acid, bis[3-(1,1-dimethylethyl)-5-formyl-4-hydroxyphenyl]
 ester (9CI)
 MF C29 H36 O8



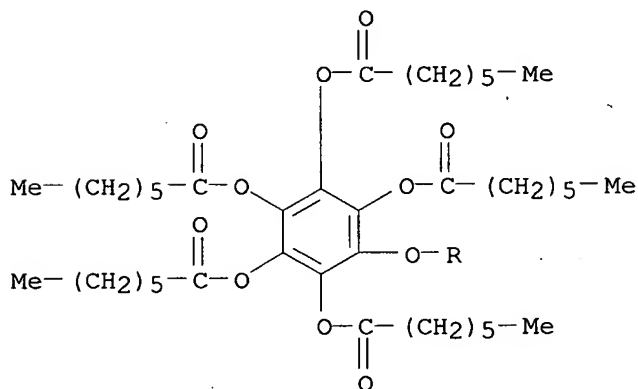
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Octanedioic acid, bis[pentakis[(1-oxoheptyl)oxy]phenyl] ester (9CI)
MF C90 H142 O24

PAGE 1-A

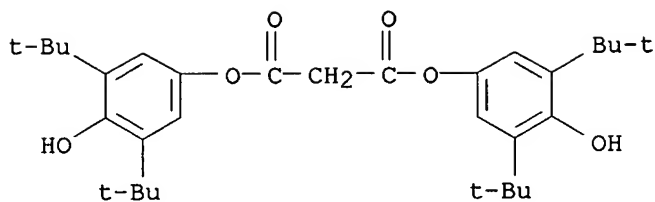


PAGE 2-A



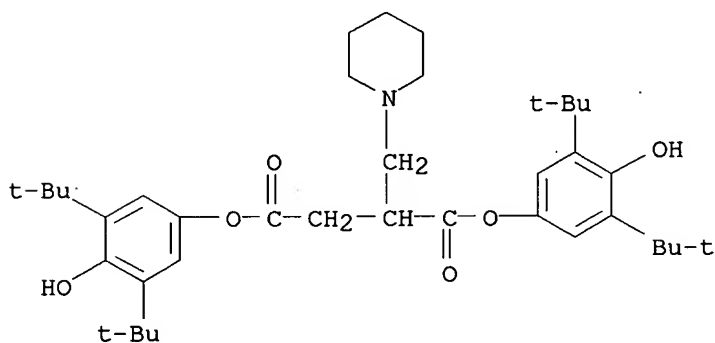
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Malonic acid, bis(3,5-di-tert-butyl-4-hydroxyphenyl) ester (8CI)
MF C31 H44 O6



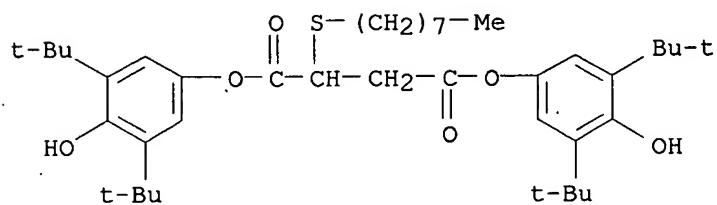
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Succinic acid, (piperidinomethyl)-,
 bis(3,5-di-tert-butyl-4-hydroxyphenyl)
 ester (8CI)
 MF C38 H57 N O6



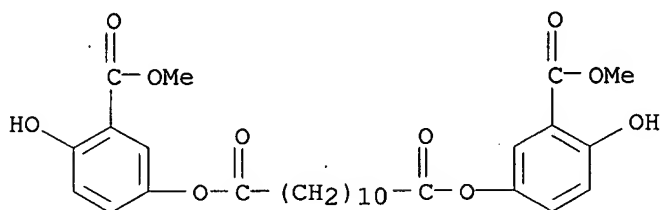
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Succinic acid, (octylthio)-, bis(3,5-di-tert-butyl-4-hydroxyphenyl) ester
 (8CI)
 MF C40 H62 O6 S



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Dodecanedioic acid, bis[4-hydroxy-3-(methoxycarbonyl)phenyl] ester (9CI)
MF C28 H34 O10

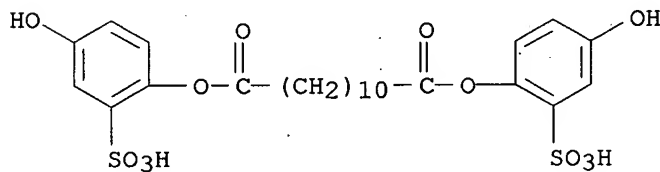


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Dodecanedioic acid, bis(4-hydroxy-2-sulfophenyl) ester, dipotassium salt,
polymer with 1,4-benzenedicarbonyl dichloride (9CI)
MF (C24 H30 O12 S2 . C8 H4 Cl2 O2 . 2 K)x
CI PMS

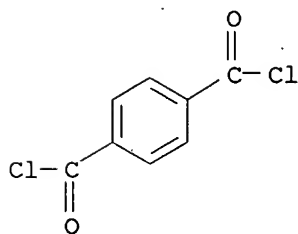
RELATED POLYMERS AVAILABLE WITH POLYLINK

CM 1

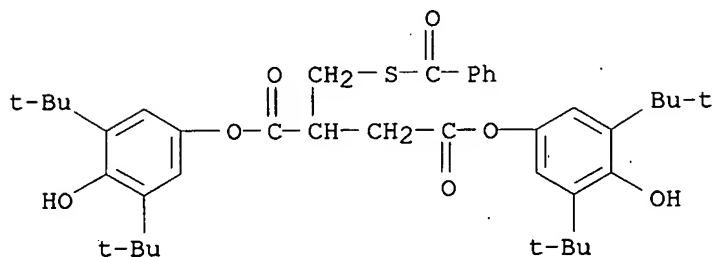


● 2 K

CM 2

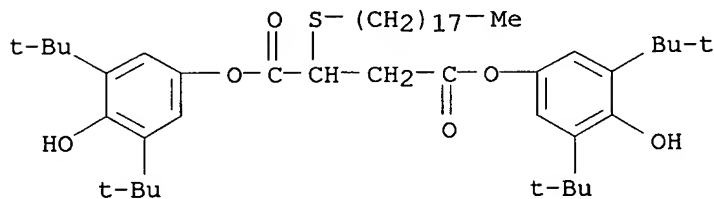


L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Succinic acid, (mercaptomethyl)-, bis(3,5-di-tert-butyl-4-hydroxyphenyl)
 ester, 2-benzoate (8CI)
 MF C40 H52 O7 S



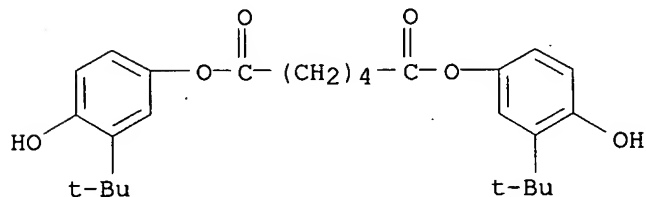
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Succinic acid, (octadecylthio)-, bis(3,5-di-tert-butyl-4-hydroxyphenyl)
 ester (8CI)
 MF C50 H82 O6 S



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
 IN Adipic acid, bis(3-tert-butyl-4-hydroxyphenyl) ester (7CI, 8CI)
 MF C26 H34 O6



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

302.30

829.38

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

0.00

-5.86

FILE 'CAPLUS' ENTERED AT 13:31:29 ON 04 JUN 2003

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 4 Jun 2003 VOL 138 ISS 23

FILE LAST UPDATED: 3 Jun 2003 (20030603/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> 141

L42 23 L41

=> d 142 1-23 ti

L42 ANSWER 1 OF 23 CAPLUS COPYRIGHT 2003 ACS

TI Ultra-low shrinkage composite resins based on blended nematic liquid crystal monomers

L42 ANSWER 2 OF 23 CAPLUS COPYRIGHT 2003 ACS

TI A practical oligomeric [(salen)Co] catalyst for asymmetric epoxide ring-opening reactions

L42 ANSWER 3 OF 23 CAPLUS COPYRIGHT 2003 ACS

TI Highly active oligomeric (salen)Co catalysts for asymmetric epoxide ring-opening reactions

L42 ANSWER 4 OF 23 CAPLUS COPYRIGHT 2003 ACS

TI Melt supramolecular assembly of oligomers with regularly spaced, alternating hydrogen bonding and hydrophobic sites

L42 ANSWER 5 OF 23 CAPLUS COPYRIGHT 2003 ACS

TI Cooperative Asymmetric Catalysis with Dimeric Salen Complexes

L42 ANSWER 6 OF 23 CAPLUS COPYRIGHT 2003 ACS
TI Reversible thermal printing material giving high contrast images

L42 ANSWER 7 OF 23 CAPLUS COPYRIGHT 2003 ACS
TI Mesomorphic and dynamic properties of discotic alkanoyloxybenzene dimers as studied by X-ray and NMR: the effect of spacer length

L42 ANSWER 8 OF 23 CAPLUS COPYRIGHT 2003 ACS
TI Laminated pressure-sensitive recording sheets

L42 ANSWER 9 OF 23 CAPLUS COPYRIGHT 2003 ACS
TI Polymers for use as orienting materials in ferroelectric liquid crystal indicators

L42 ANSWER 10 OF 23 CAPLUS COPYRIGHT 2003 ACS
TI Carboxylate esters of hydroxyphenylalkanols as stabilizers for polymers and plastics

L42 ANSWER 11 OF 23 CAPLUS COPYRIGHT 2003 ACS
TI Acid-base-induced association of amino-terminated polystyrenes. 1. Linear chains and ring formation

L42 ANSWER 12 OF 23 CAPLUS COPYRIGHT 2003 ACS
TI Discotic twins

L42 ANSWER 13 OF 23 CAPLUS COPYRIGHT 2003 ACS
TI Effect of active-group position in polymeric interactions

L42 ANSWER 14 OF 23 CAPLUS COPYRIGHT 2003 ACS
TI Concentrated solution viscosities of polymeric associates

L42 ANSWER 15 OF 23 CAPLUS COPYRIGHT 2003 ACS
TI Heat-developable, light-sensitive material

L42 ANSWER 16 OF 23 CAPLUS COPYRIGHT 2003 ACS
TI Antioxidant 1-(4-hydroxy-3,5-di-tert-butylphenyl)alkanepolycarboxylates

L42 ANSWER 17 OF 23 CAPLUS COPYRIGHT 2003 ACS
TI Antioxidants for organic materials

L42 ANSWER 18 OF 23 CAPLUS COPYRIGHT 2003 ACS
TI Dithiophosphinate antioxidants and polymer stabilizers

L42 ANSWER 19 OF 23 CAPLUS COPYRIGHT 2003 ACS
TI Antioxidants for polymers

L42 ANSWER 20 OF 23 CAPLUS COPYRIGHT 2003 ACS
TI Antioxidants for polymers

L42 ANSWER 21 OF 23 CAPLUS COPYRIGHT 2003 ACS
TI Anti-oxidants for polymers

L42 ANSWER 22 OF 23 CAPLUS COPYRIGHT 2003 ACS
TI p-Hydroxyphenyl alkanoates for polyolefins

L42 ANSWER 23 OF 23 CAPLUS COPYRIGHT 2003 ACS
TI Hydroquinone esters

=> save temp l42 subdarylcore/a
ANSWER SET L42 HAS BEEN SAVED AS 'SUBDARYLCORE/A'

=> save temp all bigmess/l
'BIGMESS/L' IN USE

A single name cannot be used for two saved items at the same time.
Enter "Y" if you wish to replace the current saved name with a new
definition. Enter "N" if the current saved definition must be
preserved. You may then reenter the SAVE command with a different
saved name. Enter "DISPLAY SAVED" at an arrow prompt (=>) to see a
list of your currently defined saved names.

REPLACE OLD DEFINITION? Y/(N):y

L# LIST L1-L42 HAS BEEN SAVED AS 'BIGMESS/L'

=> d l42 10 ti fbib abs

L42 ANSWER 10 OF 23 CAPLUS COPYRIGHT 2003 ACS

TI Carboxylate esters of hydroxyphenylalkanols as stabilizers for polymers
and plastics

AN 1994:269847 CAPLUS

DN 120:269847

TI Carboxylate esters of hydroxyphenylalkanols as stabilizers for polymers
and plastics

IN Dubs, Paul; Pitteloud, Rita

PA Ciba-Geigy A.-G., Switz.

SO Brit. UK Pat. Appl., 59 pp.

CODEN: BAXXDU

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	GB 2264708	A1	19930908	GB 1993-3500	19930222
	GB 2264708	B2	19950927		
	BE 1006547	A5	19941011	CH 1992-547	19920224
				BE 1993-154	19930218
				CH 1992-547	19920224
	BR 9300632	A	19930831	BR 1993-632	19930219
				CH 1992-547	19920224
	CA 2090082	AA	19930825	CA 1993-2090082	19930222
				CH 1992-547	19920224
	SE 9300579	A	19930825	SE 1993-579	19930222
				CH 1992-547	19920224
	AT 9300327	A	19971115	AT 1993-327	19930222
				CH 1992-547	19920224
	ZA 9301249	A	19930820	ZA 1993-1249	19930223
				CH 1992-547	19920224
	FR 2687667	A1	19930827	FR 1993-2037	19930223
	FR 2687667	B1	19960322		
				CH 1992-547	19920224
	NL 9300336	A	19930916	NL 1993-336	19930223
				CH 1992-547	19920224
	CN 1077448	A	19931020	CN 1993-101955	19930223
				CH 1992-547	19920224
	ES 2060540	A1	19941116	ES 1993-354	19930223
	ES 2060540	B1	19960316		
				CH 1992-547	19920224
	JP 06041009	A2	19940215	JP 1993-59686	19930224

US 5510402 A 19960423

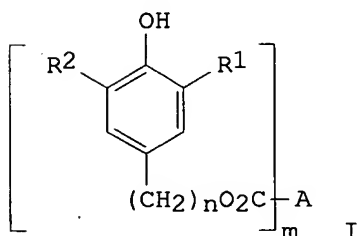
CH 1992-547 19920224
 US 1993-158177 19931124
 CH 1992-547 19920224
 US 1993-18602 19930217
 US 1993-46044 19930412

PATENT FAMILY INFORMATION:

FAN 1994:163706

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 4305422	A1	19930826	DE 1993-4305422	19930222
	BE 1006547	A5	19941011	CH 1992-547	19920224
	BR 9300632	A	19930831	BE 1993-154	19930218
	CA 2090082	AA	19930825	CH 1992-547	19920224
	SE 9300579	A	19930825	BR 1993-632	19930219
	AT 9300327	A	19971115	CH 1992-547	19920224
	ZA 9301249	A	19930820	CA 1993-2090082	19930222
	FR 2687667	A1	19930827	CH 1992-547	19920224
	FR 2687667	B1	19960322	SE 1993-579	19930222
	NL 9300336	A	19930916	CH 1992-547	19920224
	CN 1077448	A	19931020	AT 1993-327	19930222
	ES 2060540	A1	19941116	CH 1992-547	19920224
	ES 2060540	B1	19960316	ZA 1993-1249	19930223
	JP 06041009	A2	19940215	CH 1992-547	19920224
	US 5510402	A	19960423	FR 1993-2037	19930223
				CH 1992-547	19920224
				NL 1993-336	19930223
				CH 1992-547	19920224
				CN 1993-101955	19930223
				CH 1992-547	19920224
				ES 1993-354	19930223
				CH 1992-547	19920224
				JP 1993-59686	19930224
				CH 1992-547	19920224
				US 1993-158177	19931124
				CH 1992-547	19920224
				US 1993-18602	19930217
				US 1993-46044	19930412

OS MARPAT 120:269847
 GI



AB The title compds. [I; A = (un)substituted org. bridging group, direct bond, alkyl, etc.; R1, R2 = C1-24 alkyl, C5-C8-cycloalkyl; m = 1-4; n = 4-8], useful as antioxidants and thermal and UV light stabilizers for polymers and plastics, are prepd. Thus, 1,4-butanediol was condensed with

2-tert-butyl-6-methylphenol, producing 4-(3-tert-butyl-5-methyl-4-hydroxyphenyl)butanol, which was esterified with stearoyl chloride, producing stearate ester I (A = n-C17H35, R1 = Me, R2 = CMe3, m = 1, n = 4) in 93% yield.

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	19.21	848.59
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-0.65	-6.51

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 13:37:04 ON 04 JUN 2003

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptal623paz

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 13:48:58 ON 04 JUN 2003
FILE 'CAPLUS' ENTERED AT 13:48:58 ON 04 JUN 2003
COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	19.21	848.59
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-0.65	-6.51

=> d 142 23 ti fbib abs

L42 ANSWER 23 OF 23 CAPLUS COPYRIGHT 2003 ACS

TI Hydroquinone esters

AN 1965:51379 CAPLUS

DN 62:51379

OREF 62:9064f-h,9065a

TI Hydroquinone esters

IN Peterson, J. B.; Dexter, M.

PA J. R. Geigy A.-G.

SO 27 pp.

DT Patent

LA Unavailable

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	BE 637444		19640316	BE	
				US	19620917

FR 1375960

FR

GI For diagram(s), see printed CA Issue.

AB The title compds. (I) were prepd. by reaction of an acyl halide and hydroquinone. Thus, C₅H₅N 1.98 was added with stirring to 2,6-di-tert-butyl-1,4-hydroquinone 5.53 in C₆H₆ 45, the mixt. heated to 45.degree., stearoyl chloride 7.58 added, and the whole heated 2.25 hrs. under N and worked up to yield I (R = tert-Bu, R₁ = C₁₇H₃₅) 8.5 parts, m. 35-9.degree.. Similarly prepd. were the following compds. (m.p. given): 3,5-di-tert-butyl-4-hydroxyphenyl .beta.-(n-octadecylthio)propionate, 51.5-53.degree.; bis(3,5-di-tert-butyl-4-hydroxyphenyl) adipate, 157-9.degree.; bis(3,5-di-tert-butyl-4-hydroxyphenyl) sebacate, 98-100.degree.; bis-(3,5-di-tert-butyl-4-hydroxyphenyl) terephthalate, 269-72.5.degree.; bis(3,5-di-tert-butyl-4-hydroxyphenyl) 3,3'-thiodipropionate, 118-20.degree.; 3-tert-butyl-4-hydroxyphenyl .beta.-(n-octadecylthio)propionate, 58-60.degree.; bis(3-tert-butyl-4-hydroxyphenyl) adipate, 168-71.5.degree.; bis(3-tert-butyl-4-hydroxyphenyl) sebacate, 75-9.5.degree.; bis(3-tert-butyl-4-hydroxyphenyl) 3,3'-thiodipropionate; bis(3-tert-butyl-4-hydroxyphenyl) terephthalate, 259-65.degree. (decompn.); 3,5-di-tert-butyl-4-hydroxyphenyl laurate, --; 3,5-di-tert-butyl-4-hydroxyphenyl acetate, 86-9.degree.; 3,5-di-tert-butyl-4-hydroxyphenyl docosanoate, 59-61.5.degree.; and 3,5-di-tert-butyl-4-hydroxyphenyl .beta.-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate, 158-63.degree.. I were useful as stabilizers for polypropylene, polystyrene, and mineral oil in an amt. of 0.5% by wt. of the polymer.

=> logoff hold

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

23.29

852.67

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-1.30

-7.16

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 13:51:05 ON 04 JUN 2003

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptal623paz

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *

SESSION RESUMED IN FILE 'CAPLUS' AT 14:01:47 ON 04 JUN 2003

FILE 'CAPLUS' ENTERED AT 14:01:47 ON 04 JUN 2003

COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

23.29

852.67

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.30	-7.16

=> d his

(FILE 'HOME' ENTERED AT 12:11:33 ON 04 JUN 2003)

FILE 'CAPLUS' ENTERED AT 12:11:40 ON 04 JUN 2003

```
L1      14020 SUPRAMOLECULAR
L2      1439 SALICYL
L3      77758 SALICYL?
L4      60 L1 AND L3
L5      23454 ?DIOIC
L6      0 L4 AND L5
L7      3722 ?DIOATE
L8      0 L4 AND L7
```

FILE 'REGISTRY' ENTERED AT 12:20:47 ON 04 JUN 2003

```
L9      STRUCTURE UPLOADED
L10     0 SEARCH L9 SSS SAM
L11     13 SEARCH L9 SSS FULL
```

FILE 'CAPLUS' ENTERED AT 12:22:49 ON 04 JUN 2003

```
L12     4 L11
        SAVE TEMP L12 GENERICCMPDS/A
L13     277335 POLYESTER
L14     550 L3(L)L13
L15     3 L5 AND L14
```

FILE 'REGISTRY' ENTERED AT 12:28:08 ON 04 JUN 2003

```
E 2,5-DIHYDROXYBENZOIC ACID/CN
L16     1 E3
E 2,3-DIHYDROXYBENZOIC ACID/CN
L17     1 E3
```

FILE 'CAPLUS' ENTERED AT 12:29:34 ON 04 JUN 2003

```
L18     2435 L16
L19     1043 L17
L20     3056 L18 OR L19
        SAVE TEMP L20 DIOHACIDS/A
L21     22 L13 AND L20
L22     STRUCTURE UPLOADED
```

FILE 'REGISTRY' ENTERED AT 12:33:37 ON 04 JUN 2003

```
L23     STRUCTURE UPLOADED
L24     50 SEARCH L23 SSS SAM
L25     128497 SEARCH L23 SSS FULL
```

FILE 'CAPLUS' ENTERED AT 12:34:46 ON 04 JUN 2003

```
L26     91631 L25
        SAVE TEMP L26 DIOICACIDS/A
L27     66 L20 AND L26
L28     0 L20(L)L26
L29     2 L13 AND L27
        SAVE TEMP ALL BIGMESS/L
        S 80576-83-6/REG#
```

FILE 'REGISTRY' ENTERED AT 13:11:40 ON 04 JUN 2003

L30 1 S 80576-83-6/RN

FILE 'CAPLUS' ENTERED AT 13:11:40 ON 04 JUN 2003
L31 130 S L30

FILE 'REGISTRY' ENTERED AT 13:17:28 ON 04 JUN 2003
L32 STRUCTURE UPLOADED
L33 0 SEARCH L32 SSS SAM
L34 3 SEARCH L32 SSS FULL

FILE 'CAPLUS' ENTERED AT 13:18:40 ON 04 JUN 2003
L35 1 L34

FILE 'REGISTRY' ENTERED AT 13:21:17 ON 04 JUN 2003
L36 STRUCTURE UPLOADED
L37 2 SEARCH L36 SSS SAM
L38 213 SEARCH L36 SSS FULL
SAVE TEMP L38 BAREBONESREG/A
L39 STRUCTURE UPLOADED
L40 0 SEARCH L39 SSS SAM
L41 81 SEARCH L39 SSS FULL

FILE 'CAPLUS' ENTERED AT 13:31:29 ON 04 JUN 2003
L42 23 L41
SAVE TEMP L42 SUBDARYLCORE/A
SAVE TEMP ALL BIGMESS/L

=> 11 and 141
23 L41
L43 1 L1 AND L41

=> logoff hold		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	25.38	854.76
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-1.30	-7.16

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 14:04:55 ON 04 JUN 2003

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptal623paz

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America

NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	Jun 03	New e-mail delivery for search results now available
NEWS	4	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS	5	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS	6	Aug 26	Sequence searching in REGISTRY enhanced
NEWS	7	Sep 03	JAPIO has been reloaded and enhanced
NEWS	8	Sep 16	Experimental properties added to the REGISTRY file
NEWS	9	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS	10	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS	11	Oct 24	BEILSTEIN adds new search fields
NEWS	12	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS	13	Nov 18	DKILIT has been renamed APOLLIT
NEWS	14	Nov 25	More calculated properties added to REGISTRY
NEWS	15	Dec 04	CSA files on STN
NEWS	16	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS	17	Dec 17	TOXCENTER enhanced with additional content
NEWS	18	Dec 17	Adis Clinical Trials Insight now available on STN
NEWS	19	Jan 29	Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC
NEWS	20	Feb 13	CANCERLIT is no longer being updated
NEWS	21	Feb 24	METADEx enhancements
NEWS	22	Feb 24	PCTGEN now available on STN
NEWS	23	Feb 24	TEMA now available on STN
NEWS	24	Feb 26	NTIS now allows simultaneous left and right truncation
NEWS	25	Feb 26	PCTFULL now contains images
NEWS	26	Mar 04	SDI PACKAGE for monthly delivery of multifile SDI results
NEWS	27	Mar 20	EVENTLINE will be removed from STN
NEWS	28	Mar 24	PATDPAFULL now available on STN
NEWS	29	Mar 24	Additional information for trade-named substances without structures available in REGISTRY
NEWS	30	Apr 11	Display formats in DGENE enhanced
NEWS	31	Apr 14	MEDLINE Reload
NEWS	32	Apr 17	Polymer searching in REGISTRY enhanced
NEWS	33	Apr 21	Indexing from 1947 to 1956 being added to records in CA/CAPLUS
NEWS	34	Apr 21	New current-awareness alert (SDI) frequency in WPIDS/WPINDEX/WPIX
NEWS	35	Apr 28	RDISCLOSURE now available on STN
NEWS	36	May 05	Pharmacokinetic information and systematic chemical names added to PHAR
NEWS	37	May 15	MEDLINE file segment of TOXCENTER reloaded
NEWS	38	May 15	Supporter information for ENCOMPPAT and ENCOMPLIT updated
NEWS	39	May 16	CHEMREACT will be removed from STN
NEWS	40	May 19	Simultaneous left and right truncation added to WSCA
NEWS	41	May 19	RAPRA enhanced with new search field, simultaneous left and right truncation
NEWS EXPRESS	April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003		
NEWS HOURS	STN Operating Hours Plus Help Desk Availability		
NEWS INTER	General Internet Information		
NEWS LOGIN	Welcome Banner and News Items		
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN		
NEWS WWW	CAS World Wide Web Site (general information)		

Enter NEWS followed by the item number or name to see news on that

specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 06:21:38 ON 05 JUN 2003

=>

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'STNGUIDE' ENTERED AT 06:21:46 ON 05 JUN 2003
USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT
COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY, JAPAN SCIENCE
AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: May 30, 2003 (20030530/UP).

=>

NAME	CREATED	NOTES/TITLE
ALKYLATIN/L	13 DEC 2001	9 L-NUMBERS
BAREBONESREG/A	TEMP	213 ANSWERS IN FILE REGISTRY
BIGMESS/L	TEMP	42 L-NUMBERS
DIOHACIDS/A	TEMP	3056 ANSWERS IN FILE CAPLUS
DIOICACIDS/A	TEMP	91631 ANSWERS IN FILE CAPLUS
ESTERODOR/L	05 SEP 2002	42 L-NUMBERS
GENERICCMPDS/A	TEMP	4 ANSWERS IN FILE CAPLUS
INDIUMCL3/A	30 MAY 2001	1 ANSWER IN FILE REGISTRY
LTWENTAUGFOR/A	04 AUG 2001	72 ANSWERS IN FILE CAPLUS
NEOTAMECRYST/A	24 APR 2001	59 ANSWERS IN FILE CAPLUS
NVLARMFULGEN/A	19 APR 2001	196 ANSWERS IN FILE REGISTRY
POHBENZALDEH/A	10 JUL 2001	5519 ANSWERS IN FILE CAPLUS
PROSTACMPD15/A	01 AUG 2001	34 ANSWERS IN FILE CAPLUS
STILLEAPP/L	07 JAN 2002	17 L-NUMBERS
SUBDARYLCORE/A	TEMP	23 ANSWERS IN FILE CAPLUS
SUBSTRATES/A	TEMP	3974 ANSWERS IN FILE CAPLUS
TWOAMINOPOLY/Q	16 APR 2001	UPLOADED STRUCTURE

=>

NO SAVED SDI REQUESTS

=>

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.12	0.33

FILE 'REGISTRY' ENTERED AT 06:22:47 ON 05 JUN 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2003 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 4 JUN 2003 HIGHEST RN 525536-93-0
DICTIONARY FILE UPDATES: 4 JUN 2003 HIGHEST RN 525536-93-0

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>

L1 STR
L2 213 SEA FILE=REGISTRY SSS FUL L1

=>

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.40	0.73

FILE 'STNGUIDE' ENTERED AT 06:22:49 ON 05 JUN 2003
USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT
COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY, JAPAN SCIENCE
AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: May 30, 2003 (20030530/UP).

=>

L3 (14020)SEA FILE=CAPLUS ABB=ON PLU=ON SUPRAMOLECULAR
L4 (1439)SEA FILE=CAPLUS ABB=ON PLU=ON SALICYL
L5 (77758)SEA FILE=CAPLUS ABB=ON PLU=ON SALICYL?
L6 (60)SEA FILE=CAPLUS ABB=ON PLU=ON L3 AND L5
L7 (23454)SEA FILE=CAPLUS ABB=ON PLU=ON ?DIOIC
L8 (0)SEA FILE=CAPLUS ABB=ON PLU=ON L6 AND L7
L9 (3722)SEA FILE=CAPLUS ABB=ON PLU=ON ?DIOATE
L10 (0)SEA FILE=CAPLUS ABB=ON PLU=ON L6 AND L9
L11 STR
L12 (0)SEA FILE=REGISTRY SSS SAM L11
L13 (13)SEA FILE=REGISTRY SSS FUL L11
L14 (4)SEA FILE=CAPLUS ABB=ON PLU=ON L13
L15 (277335)SEA FILE=CAPLUS ABB=ON PLU=ON POLYESTER
L16 (550)SEA FILE=CAPLUS ABB=ON PLU=ON L5(L)L15
L17 (3)SEA FILE=CAPLUS ABB=ON PLU=ON L7 AND L16
L18 (1)SEA FILE=REGISTRY ABB=ON PLU=ON "2,5-DIHYDROXYBENZOIC
ACID"/CN
L19 (1)SEA FILE=REGISTRY ABB=ON PLU=ON "2,3-DIHYDROXYBENZOIC
ACID"/CN
L20 (2435)SEA FILE=CAPLUS ABB=ON PLU=ON L18
L21 (1043)SEA FILE=CAPLUS ABB=ON PLU=ON L19

L22 (3056)SEA FILE=CAPLUS ABB=ON PLU=ON L20 OR L21
 L23 (22)SEA FILE=CAPLUS ABB=ON PLU=ON L15 AND L22
 L24 STR
 L25 STR
 L26 (50)SEA FILE=REGISTRY SSS SAM L25
 L27 (128497)SEA FILE=REGISTRY SSS FUL L25
 L28 (91631)SEA FILE=CAPLUS ABB=ON PLU=ON L27
 L29 (66)SEA FILE=CAPLUS ABB=ON PLU=ON L22 AND L28
 L30 (0)SEA FILE=CAPLUS ABB=ON PLU=ON L22(L)L28
 L31 (2)SEA FILE=CAPLUS ABB=ON PLU=ON L15 AND L29
 L32 (1)SEA FILE=REGISTRY ABB=ON PLU=ON 80576-83-6/RN
 L33 (130)SEA FILE=CAPLUS ABB=ON PLU=ON L32
 L34 STR
 L35 (0)SEA FILE=REGISTRY SSS SAM L34
 L36 (3)SEA FILE=REGISTRY SSS FUL L34
 L37 (1)SEA FILE=CAPLUS ABB=ON PLU=ON L36
 L38 STR
 L39 (2)SEA FILE=REGISTRY SSS SAM L38
 L40 (213)SEA FILE=REGISTRY SSS FUL L38
 L41 STR
 L42 (0)SEA FILE=REGISTRY SSS SAM L41
 L43 (81)SEA FILE=REGISTRY SSS FUL L41
 L44 (23)SEA FILE=CAPLUS ABB=ON PLU=ON L43

=>

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.06

0.79

FILE 'CAPLUS' ENTERED AT 06:22:50 ON 05 JUN 2003

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 5 Jun 2003 VOL 138 ISS 23

FILE LAST UPDATED: 4 Jun 2003 (20030604/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=>

L45 (1)SEA FILE=REGISTRY ABB=ON PLU=ON "2,5-DIHYDROXYBENZOIC ACID"/CN
 L46 (1)SEA FILE=REGISTRY ABB=ON PLU=ON "2,3-DIHYDROXYBENZOIC ACID"/CN
 L47 (2435)SEA FILE=CAPLUS ABB=ON PLU=ON L45
 L48 (1043)SEA FILE=CAPLUS ABB=ON PLU=ON L46

L49 3056 SEA FILE=CAPLUS ABB=ON PLU=ON L47 OR L48

=>

L50 STR

L51 (128497)SEA FILE=REGISTRY SSS FUL L50

L52 91631 SEA FILE=CAPLUS ABB=ON PLU=ON L51

=>

L53 STR

L54 (81)SEA FILE=REGISTRY SSS FUL L53

L55 23 SEA FILE=CAPLUS ABB=ON PLU=ON L54

=> 13 and 149

7329 SUPRAMOLECULAR

1 SUPRAMOLECULARS

7329 SUPRAMOLECULAR

(SUPRAMOLECULAR OR SUPRAMOLECULARS)

11594 SUPRAMOL

318 SUPRAMOLS

11724 SUPRAMOL

(SUPRAMOL OR SUPRAMOLS)

14022 SUPRAMOLECULAR

(SUPRAMOLECULAR OR SUPRAMOL)

L56 4 L3 AND L49

=> d 156 1-4 ti

L56 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2003 ACS

TI Engineering Crystalline Architecture with **Supramolecular** Tapes:
Studies on Secondary Donor-Acceptor Interactions in Cocrystals of the
Cyclic Dipeptide of Glycine

L56 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2003 ACS

TI Ag⁺ labeling: a convenient new tool for the characterization of
hydrogen-bonded **supramolecular** assemblies by MALDI-TOF mass
spectrometry

L56 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2003 ACS

TI Melt **supramolecular** assembly of oligomers with regularly spaced,
alternating hydrogen bonding and hydrophobic sites

L56 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2003 ACS

TI Methods for deposition of large molecules and formation of
supramolecular structures

=> d 156 1-4 ti fbib abs

L56 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2003 ACS

TI Engineering Crystalline Architecture with **Supramolecular** Tapes:
Studies on Secondary Donor-Acceptor Interactions in Cocrystals of the
Cyclic Dipeptide of Glycine

AN 2002:610809 CAPLUS

DN 137:295240

TI Engineering Crystalline Architecture with **Supramolecular** Tapes:
Studies on Secondary Donor-Acceptor Interactions in Cocrystals of the
Cyclic Dipeptide of Glycine

AU Luo, Tzy-Jiun M.; Palmore, G. Tayhas R.

CS Division of Engineering, Brown University, Providence, RI, 02912, USA

SO Crystal Growth & Design (2002), 2(5), 337-350
CODEN: CGDEFU; ISSN: 1528-7483

PB American Chemical Society

DT Journal

LA English

AB In this study, the authors examine the noncovalent interactions that occur

between the cyclic dipeptide of glycine (glycylglycine diketopiperazine: GLYDKP) and a carboxylic acid guest. This study complements the earlier studies done by the authors on the cyclic dipeptide of aspartic acid by exploring further the possibility of using hydrogen-bonded tapes comprised

of mols. of GLYDKP, as a scaffold with which to control the location of guest mols. in a cryst. lattice. On the basis of the 11 cocrystals of GLYDKP reported herein, the authors conclude that guest mols. will be positioned between tapes of GLYDKP if the guest mols. meet the following criteria. First, the width of the guest mol. should be between 4.5 and 8.5 .ANG.. Second, interactions between adjacent guest mols. should be stronger than a van der Waals contact. Third, a hydrogen-bond donor (hydroxyl group) and a hydrogen-bond acceptor (carbonyl group) should be present in the structure of the guest with their sepn. no greater than

two bonds between the carbon atom of the carbonyl group and the oxygen atom of the hydroxyl group. Fourth, the strength of interactions between mols.

in the cocrystal should be of the following order: host-host > host-guest > guest-guest. This order ensures that the tape superstructure dictates

the location of guest mols. in the host lattice.

RE.CNT 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L56 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2003 ACS

TI Ag⁺ labeling: a convenient new tool for the characterization of hydrogen-bonded **supramolecular** assemblies by MALDI-TOF mass spectrometry

AN 2000:860581 CAPLUS

DN 134:200080

TI Ag⁺ labeling: a convenient new tool for the characterization of hydrogen-bonded **supramolecular** assemblies by MALDI-TOF mass spectrometry

AU Timmerman, Peter; Jolliffe, Katrina A.; Calama, Mercedes Crego; Weidmann, Jean-Luc; Prins, Leonard J.; Cardullo, Francesca; Snellink-Ruel, Bianca

H. M.; Fokkens, Roel H.; Nibbering, Nico M. M.; Shinkai, Seiji; Reinhoudt, David N.

CS Laboratory of Supramolecular Chemistry and Technology MESA+ Research Institute, University of Twente, Enschede, 7500 AE, Neth.

SO Chemistry--A European Journal (2000), 6(22), 4104-4115
CODEN: CEUJED; ISSN: 0947-6539

PB Wiley-VCH Verlag GmbH

DT Journal

LA English

AB Herein the authors describe results on the characterization of a wide variety of different H-bonded assemblies by a novel matrix-assisted laser desorption ionization time-of-flight mass spectrometry (MALDI-TOF MS) technique with Ag⁺ labeling. The labeling technique with Ag⁺ ions is extremely mild and provides a nondestructive way to generate charged

assemblies that can be detected by mass spectrometry. Up to now >25 different single (13.cntdot.23), double (33.cntdot.26), and tetraarosettes (43.cntdot.212) were successfully characterized using this method. The success of the method entirely depends on the presence of a suitable binding site for the Ag⁺ ion. A variety of functionalities was identified that provide strong binding sites for Ag⁺, either acting in a cooperative way (.pi.-arene and .pi.-alkene donor functionalities) or individually (cyano and crown ether functionalities). The method works well for assemblies with mol. wts. between 2000 and 8000 Da, and most likely far beyond this limit.

RE.CNT 114 THERE ARE 114 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L56 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2003 ACS

TI Melt **supramolecular** assembly of oligomers with regularly spaced, alternating hydrogen bonding and hydrophobic sites

AN 1999:753790 CAPLUS

DN 132:123000

TI Melt **supramolecular** assembly of oligomers with regularly spaced, alternating hydrogen bonding and hydrophobic sites

AU Greener, Bryan; Rose, John

CS Smith & Nephew Group Research Centre, Heslington, York, YO10 5DF, UK

SO Chemical Communications (Cambridge) (1999), (23), 2361-2362

CODEN: CHCOFS; ISSN: 1359-7345

PB Royal Society of Chemistry

DT Journal

LA English

AB The melt condensation of 2,5-dihydroxybenzoic acid with dodecanedioyl dichloride resulted in oligomers with regularly spaced, multiple hydrogen bonding sites; fibers were drawn from melts at 150 .degree.C.

RE.CNT 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L56 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2003 ACS

TI Methods for deposition of large molecules and formation of **supramolecular** structures

AN 1995:367661 CAPLUS

DN 122:148151

TI Methods for deposition of large molecules and formation of **supramolecular** structures

IN Morales, Pietro; Sperandei, Maria

PA Enea Ente per le Nuove Tecnologie, l'Energia e l'Ambiente, Italy

SO Eur. Pat. Appl., 11 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 632143	A1	19950104	EP 1994-830330	19940701
	EP 632143	B1	19971008		

R: CH, DE, FR, GB, LI, NL, SE

IT 1993-RM432 19930702

AB A method is claimed for the deposition of **supramol.** systems, biomols. and, in general mols. of large size and/or complexity and/or lability, essentially comprising a combination of the following operations: vaporization, by electromagnetic radiation absorption or other

mechanisms, and ionization, induced by at least one short laser radiation pulse, of the above mols.; driving of the ionized mols. in an elec. field or by mean of masks; and deposition of the ionized mols. on the desired support. Horseradish peroxidase was deposited on a mica support by evapg.

a peroxidase-nicotinic acid soln. on a stainless steel support, placing the coated support in a vacuum, and driving the enzyme to the mica support

with a field of 400 V/cm. The sample was vaporized and ionized with laser

pulses at 266 nm, duration 8 ns, power d. .apprx.30 MV/cm². The enzyme retained activity.

=> d 156 4 it

L56 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2003 ACS

IT Cell

Nanomachines

Vapor deposition processes

(methods for deposition of large mols. and formation of **supramol.** structures)

IT Amino acids, miscellaneous

Antibodies

Deoxyribonucleic acids

Peptides, miscellaneous

Proteins, miscellaneous

Ribonucleic acids

RL: MSC (Miscellaneous)

(methods for deposition of large mols. and formation of **supramol.** structures)

IT Clusters

(**supramol.** structures; methods for deposition of large mols. and formation of **supramol.** structures)

IT Molecules

(biochem., methods for deposition of large mols. and formation of **supramol.** structures)

IT 59-67-6, Nicotinic acid, uses 98-97-5, Pyrazinecarboxylic acid

121-34-6, Vanillic acid 331-39-5, Caffeic acid **490-79-9**,

2,5-Dihydroxybenzoic acid 530-59-6, Sinapinic acid 1135-24-6, Ferulic acid 1321-11-5, Aminobenzoic acid 28166-41-8 99714-66-6

RL: NUU (Other use, unclassified); USES (Uses)

(laser radiation-absorbing matrix; methods for deposition of large mols. and formation of **supramol.** structures)

IT 73-22-3, Tryptophan, miscellaneous 9003-99-0, Peroxidase 13123-35-8, Tryptophyl-leucine 27072-45-3, Fluorescein isothiocyanate 80498-15-3, Laccase

RL: MSC (Miscellaneous)

(methods for deposition of large mols. and formation of **supramol.** structures)

=> d his

(FILE 'HOME' ENTERED AT 06:21:38 ON 05 JUN 2003)

FILE 'STNGUIDE' ENTERED AT 06:21:46 ON 05 JUN 2003

FILE 'REGISTRY' ENTERED AT 06:22:47 ON 05 JUN 2003

ACT BAREBONESREG/A

L1 STR
L2 213 SEA FILE=REGISTRY SSS FUL L1

FILE 'STNGUIDE' ENTERED AT 06:22:49 ON 05 JUN 2003
ACT BIGMESS/L

L3 (14020)SEA FILE=CAPLUS ABB=ON PLU=ON SUPRAMOLECULAR
L4 (1439)SEA FILE=CAPLUS ABB=ON PLU=ON SALICYL
L5 (77758)SEA FILE=CAPLUS ABB=ON PLU=ON SALICYL?
L6 (60)SEA FILE=CAPLUS ABB=ON PLU=ON L3 AND L5
L7 (23454)SEA FILE=CAPLUS ABB=ON PLU=ON ?DIOIC
L8 (0)SEA FILE=CAPLUS ABB=ON PLU=ON L6 AND L7
L9 (3722)SEA FILE=CAPLUS ABB=ON PLU=ON ?DIOATE
L10 (0)SEA FILE=CAPLUS ABB=ON PLU=ON L6 AND L9
L11 STR
L12 (0)SEA FILE=REGISTRY SSS SAM L11
L13 (13)SEA FILE=REGISTRY SSS FUL L11
L14 (4)SEA FILE=CAPLUS ABB=ON PLU=ON L13
L15 (277335)SEA FILE=CAPLUS ABB=ON PLU=ON POLYESTER
L16 (550)SEA FILE=CAPLUS ABB=ON PLU=ON L5(L)L15
L17 (3)SEA FILE=CAPLUS ABB=ON PLU=ON L7 AND L16
L18 (1)SEA FILE=REGISTRY ABB=ON PLU=ON "2,5-DIHYDROXYBENZOIC
ACID"/C
L19 (1)SEA FILE=REGISTRY ABB=ON PLU=ON "2,3-DIHYDROXYBENZOIC
ACID"/C
L20 (2435)SEA FILE=CAPLUS ABB=ON PLU=ON L18
L21 (1043)SEA FILE=CAPLUS ABB=ON PLU=ON L19
L22 (3056)SEA FILE=CAPLUS ABB=ON PLU=ON L20 OR L21
L23 (22)SEA FILE=CAPLUS ABB=ON PLU=ON L15 AND L22
L24 STR
L25 STR
L26 (50)SEA FILE=REGISTRY SSS SAM L25
L27 (128497)SEA FILE=REGISTRY SSS FUL L25
L28 (91631)SEA FILE=CAPLUS ABB=ON PLU=ON L27
L29 (66)SEA FILE=CAPLUS ABB=ON PLU=ON L22 AND L28
L30 (0)SEA FILE=CAPLUS ABB=ON PLU=ON L22(L)L28
L31 (2)SEA FILE=CAPLUS ABB=ON PLU=ON L15 AND L29
L32 (1)SEA FILE=REGISTRY ABB=ON PLU=ON 80576-83-6/RN
L33 (130)SEA FILE=CAPLUS ABB=ON PLU=ON L32
L34 STR
L35 (0)SEA FILE=REGISTRY SSS SAM L34
L36 (3)SEA FILE=REGISTRY SSS FUL L34
L37 (1)SEA FILE=CAPLUS ABB=ON PLU=ON L36
L38 STR
L39 (2)SEA FILE=REGISTRY SSS SAM L38
L40 (213)SEA FILE=REGISTRY SSS FUL L38
L41 STR
L42 (0)SEA FILE=REGISTRY SSS SAM L41
L43 (81)SEA FILE=REGISTRY SSS FUL L41
L44 (23)SEA FILE=CAPLUS ABB=ON PLU=ON L43

FILE 'CAPLUS' ENTERED AT 06:22:50 ON 05 JUN 2003
ACT DIOHACIDS/A

L45 (1)SEA FILE=REGISTRY ABB=ON PLU=ON "2,5-DIHYDROXYBENZOIC
ACID"/C

L46 (1)SEA FILE=REGISTRY ABB=ON PLU=ON "2,3-DIHYDROXYBENZOIC
 ACID"/C
 L47 (2435)SEA FILE=CAPLUS ABB=ON PLU=ON L45
 L48 (1043)SEA FILE=CAPLUS ABB=ON PLU=ON L46
 L49 3056 SEA FILE=CAPLUS ABB=ON PLU=ON L47 OR L48

 ACT DIOICACIDS/A

L50 STR
 L51 (128497)SEA FILE=REGISTRY SSS FUL L50
 L52 91631 SEA FILE=CAPLUS ABB=ON PLU=ON L51

 ACT SUBDARYLCORE/A

L53 STR
 L54 (81)SEA FILE=REGISTRY SSS FUL L53
 L55 23 SEA FILE=CAPLUS ABB=ON PLU=ON L54

 L56 4 L3 AND L49

=> logoff hold		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	19.16	19.95
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-2.60	-2.60

SESSION WILL BE HELD FOR 60 MINUTES
 STN INTERNATIONAL SESSION SUSPENDED AT 06:31:47 ON 05 JUN 2003

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptal623paz

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2		"Ask CAS" for self-help around the clock
NEWS 3	Jun 03	New e-mail delivery for search results now available
NEWS 4	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 5	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS 6	Aug 26	Sequence searching in REGISTRY enhanced
NEWS 7	Sep 03	JAPIO has been reloaded and enhanced
NEWS 8	Sep 16	Experimental properties added to the REGISTRY file
NEWS 9	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS 10	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS 11	Oct 24	BEILSTEIN adds new search fields

NEWS 12 Oct 24 Nutraceuticals International (NUTRACEUT) now available on STN

NEWS 13 Nov 18 DKILIT has been renamed APOLLIT

NEWS 14 Nov 25 More calculated properties added to REGISTRY

NEWS 15 Dec 04 CSA files on STN

NEWS 16 Dec 17 PCTFULL now covers WP/PCT Applications from 1978 to date

NEWS 17 Dec 17 TOXCENTER enhanced with additional content

NEWS 18 Dec 17 Adis Clinical Trials Insight now available on STN

NEWS 19 Jan 29 Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC

NEWS 20 Feb 13 CANCERLIT is no longer being updated

NEWS 21 Feb 24 METADEX enhancements

NEWS 22 Feb 24 PCTGEN now available on STN

NEWS 23 Feb 24 TEMA now available on STN

NEWS 24 Feb 26 NTIS now allows simultaneous left and right truncation

NEWS 25 Feb 26 PCTFULL now contains images

NEWS 26 Mar 04 SDI PACKAGE for monthly delivery of multifile SDI results

NEWS 27 Mar 20 EVENTLINE will be removed from STN

NEWS 28 Mar 24 PATDPAFULL now available on STN

NEWS 29 Mar 24 Additional information for trade-named substances without structures available in REGISTRY

NEWS 30 Apr 11 Display formats in DGENE enhanced

NEWS 31 Apr 14 MEDLINE Reload

NEWS 32 Apr 17 Polymer searching in REGISTRY enhanced

NEWS 33 Apr 21 Indexing from 1947 to 1956 being added to records in CA/CAPLUS

NEWS 34 Apr 21 New current-awareness alert (SDI) frequency in WPIDS/WPINDEX/WPIX

NEWS 35 Apr 28 RDISCLOSURE now available on STN

NEWS 36 May 05 Pharmacokinetic information and systematic chemical names added to PHAR

NEWS 37 May 15 MEDLINE file segment of TOXCENTER reloaded

NEWS 38 May 15 Supporter information for ENCOMPPAT and ENCOMPLIT updated

NEWS 39 May 16 CHEMREACT will be removed from STN

NEWS 40 May 19 Simultaneous left and right truncation added to WSCA

NEWS 41 May 19 RAPRA enhanced with new search field, simultaneous left and right truncation

NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003

NEWS HOURS STN Operating Hours Plus Help Desk Availability

NEWS INTER General Internet Information

NEWS LOGIN Welcome Banner and News Items

NEWS PHONE Direct Dial and Telecommunication Network Access to STN

NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 10:44:04 ON 05 JUN 2003

=> e reg

THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE

The EXPAND command is used to look at the index in a file which has an index. This file does not have an index.

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 10:44:14 ON 05 JUN 2003

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2003 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 4 JUN 2003 HIGHEST RN 525536-93-0

DICTIONARY FILE UPDATES: 4 JUN 2003 HIGHEST RN 525536-93-0

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> e 2,5-dihydroxybenzoic acid/cn

E1	1	2,5-DIHYDROXYBENZOHYDRAZIDE/CN
E2	1	2,5-DIHYDROXYBENZOHYDROXAMIC ACID/CN
E3	1 -->	2,5-DIHYDROXYBENZOIC ACID/CN
E4	1	2,5-DIHYDROXYBENZOIC ACID 5-.BETA.-D-GLUCOSIDE/CN
E5	1	2,5-DIHYDROXYBENZOIC ACID BUTYL ESTER/CN
E6	1	2,5-DIHYDROXYBENZOIC ACID DIACETATE/CN
E7	1	2,5-DIHYDROXYBENZOIC ACID DIPIVALATE/CN
E8	1	2,5-DIHYDROXYBENZOIC ACID DIPROPIONATE/CN
E9	1	2,5-DIHYDROXYBENZOIC ACID HYDRAZIDE/CN
E10	1	2,5-DIHYDROXYBENZOIC ACID METHYL ESTER/CN
E11	1	2,5-DIHYDROXYBENZOIC ACID RADICAL ANION/CN
E12	1	2,5-DIHYDROXYBENZOIC ACID RADICAL CATION/CN

=> e3

L1 1. "2,5-DIHYDROXYBENZOIC ACID"/CN

=> d 11

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS

RN 490-79-9 REGISTRY

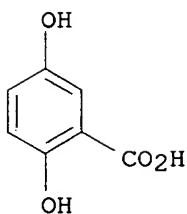
CN Benzoic acid, 2,5-dihydroxy- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Gentisic acid (8CI)

OTHER NAMES:

CN 2,5-Dihydroxybenzoic acid
 CN 2,5-Dioxybenzoic acid
 CN 3,6-Dihydroxybenzoic acid
 CN 5-Hydroxysalicylic acid
 CN Carboxyhydroquinone
 CN Gensigen
 CN Gensigon
 CN Gentisinic acid
 CN Hydroquinonecarboxylic acid
 FS 3D CONCORD
 MF C7 H6 O4
 CI COM
 LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*,
 BIOBUSINESS,
 BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CEN,
 CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHM, CSNB, DDFU, DETHERM*,
 DRUGU, EMBASE, HODOC*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*,
 MSDS-OHS, NAPRALERT, NIOSHTIC, PROMT, RTECS*, SPECINFO, TOXCENTER,
 ULIDAT, USAN, USPATFULL, VETU
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, TSCA**, WHO
 (**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2422 REFERENCES IN FILE CA (1957 TO DATE)
 57 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 2429 REFERENCES IN FILE CAPLUS (1957 TO DATE)
 12 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> e 2,3-dihydroxybenzoic acid/cn

E1	1	2,3-DIHYDROXYBENZOHYDROXAMIC ACID/CN
E2	1	2,3-DIHYDROXYBENZOHYDROXIMIC ACID/CN
E3	1 -->	2,3-DIHYDROXYBENZOIC ACID/CN
E4	1	2,3-DIHYDROXYBENZOIC ACID .BETA.-HYDROXYETHYLAMIDE/CN
E5	1	2,3-DIHYDROXYBENZOIC ACID DECARBOXYLASE/CN
E6	1	2,3-DIHYDROXYBENZOIC ACID DIACETATE/CN
E7	1	2,3-DIHYDROXYBENZOIC ACID METHYL ESTER/CN
E8	1	2,3-DIHYDROXYBENZOIC ACID POTASSIUM SALT/CN
E9	1	2,3-DIHYDROXYBENZOIC ACID-FORMALDEHYDE-1-NAPHTHOL
COPOLYMER/		
		CN
E10	1	2,3-DIHYDROXYBENZOIC OXYGENASE/CN
E11	1	2,3-DIHYDROXYBENZONITRILE/CN

E12 1 2,3-DIHYDROXYBENZOPHENONE/CN

=> e3

L2 1 "2,3-DIHYDROXYBENZOIC ACID"/CN

=> d 12

L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS

RN 303-38-8 REGISTRY

CN Benzoic acid, 2,3-dihydroxy- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN o-Pyrocatechuic acid (6CI, 8CI)

OTHER NAMES:

CN **2,3-Dihydroxybenzoic acid**

CN 3-Hydroxysalicylic acid

CN Catecholcarboxylic acid

CN DHBA

CN Pyrocatechuic acid

FS 3D CONCORD

MF C7 H6 O4

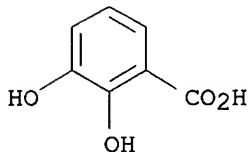
CI COM

LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMLIST, CSCHEM, DDFU, DETHERM*, DRUGU, EMBASE, GMELIN*, HODOC*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MSDS-OHS, NAPRALERT, NIOSHTIC, PIRA, PROMT, RTECS*, SPECINFO, TOXCENTER, USPAT2, USPATFULL

(*File contains numerically searchable property data)

Other Sources: EINECS**

(**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1034 REFERENCES IN FILE CA (1957 TO DATE)

39 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

1038 REFERENCES IN FILE CAPLUS (1957 TO DATE)

56 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

12.60

12.81

FILE 'CAPLUS' ENTERED AT 10:45:30 ON 05 JUN 2003

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 5 Jun 2003 VOL 138 ISS 23

FILE LAST UPDATED: 4 Jun 2003 (20030604/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> 11

L3 2435 L1

=> 12

L4 1043 L2

=> 13 or 14

L5 3056 L3 OR L4

=> polyester

223786 POLYESTER

176583 POLYESTERS

L6 277379 POLYESTER

(POLYESTER OR POLYESTERS)

=> 15(1)16

L7 7 L5(L)L6

=> d 17 1-7 ti

L7 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2003 ACS

TI MALDI-TOF analysis of all-aromatic polyesters

L7 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2003 ACS

TI Therapeutic polyesters and polyamides

L7 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2003 ACS

TI Qualitative and quantitative end-group analysis of a small molecular weight polyester by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry

L7 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2003 ACS

TI Comparison of electrospray ionization mass spectrometry with matrix-assisted laser desorption ionization mass spectrometry and size exclusion chromatography for the characterization of polyester resins

L7 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2003 ACS

TI Matrix-assisted laser desorption ionization time-of-flight mass spectrometry of synthetic polyesters

L7 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2003 ACS

TI Dyeing of acid dye-dyeable polyester fibers. Part 3

L7 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2003 ACS
TI Heat-stable polyesters

=> d 17 1-7 ti fbib abs

L7 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2003 ACS
TI MALDI-TOF analysis of all-aromatic polyesters
AN 2003:222590 CAPLUS
DN 138:304792
TI MALDI-TOF analysis of all-aromatic polyesters
AU Hall, H. K., Jr.; Somogyi, Arpad; Bojkova, Nina; Padias, Anne B.;
Elandalousi, El Hadj
CS Chemistry Department, The University of Arizona, Tucson, AZ, 85721, USA
SO Polymeric Materials Science and Engineering (2003), 88, 139-140
CODEN: PMSEGD; ISSN: 0743-0515
PB American Chemical Society
DT Journal; (computer optical disk)
LA English
AB MALDI-TOF spectra of Vectra polyester, p-acetoxybenzoic
acid-6-acetoxy-2-naphthoic acid copolymer (monomer ratio 73:27) were
obtained using designed matrixes and based on prepd. well-defined
oligomers using a Bruker Reflex III instrument. The best results to date
were obtained for low MW copolymn. products (ca. 500-2,200 u) by
depositing a dithranol matrix (dissolved in pentafluorophenol) on
Parafilm
followed by the deposition of the analyte soln. in pentafluorophenol.
MALDI-TOF data are expected to provide information on the chain structure
of the polyester.

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2003 ACS
TI Therapeutic polyesters and polyamides
AN 2002:107167 CAPLUS
DN 136:156464
TI Therapeutic polyesters and polyamides
IN Uhrich, Kathryn E.
PA Rutgers, the State University of New Jersey, USA
SO PCT Int. Appl., 51 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002009768	A2	20020207	WO 2001-US23747	20010727
	WO 2002009768	A3	20021107		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	US 2000-220707PP 20000727				

US 2002071822 A1 20020613 US 2001-261337PP 20010112
US 2001-917194 20010727
US 2000-220707PP 20000727
US 2001-261337PP 20010112
EP 1309354 A2 20030514 EP 2001-956013 20010727
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
US 2000-220707PP 20000727
US 2001-261337PP 20010112
WO 2001-US23747W 20010727

AB Polymers (i.e. polyesters, polyamides, and polythioesters or a mixt. thereof) which degrade hydrolytically into biol. active compds. are provided. Methods of producing these polymers, intermediates useful for prepg. these polymers, and methods of using these polymers to deliver biol. active compds. to a host are also provided. The biol. active compd. is a non-steroidal anti-inflammatory drug, antibacterial, antifungal, anticancer, antithrombotic, immunosuppressant, or analgesic. For example, morphine was copolymd. with a diacid chloride to provide a polyester.

L7 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2003 ACS
TI Qualitative and quantitative end-group analysis of a small molecular weight polyester by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry
AN 2000:211282 CAPLUS
DN 132:335178
TI Qualitative and quantitative end-group analysis of a small molecular weight polyester by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry
AU Laine, Olli; Osterholm, Heidi; Jarvinen, Hannele; Wickstrom, Kim; Vainiotalo, Pirjo
CS Department of Chemistry, University of Joensuu, Joensuu, 80101, Finland
SO Rapid Communications in Mass Spectrometry (2000), 14(6), 482-495
CODEN: RCMSEF; ISSN: 0951-4198
PB John Wiley & Sons Ltd.
DT Journal
LA English
AB Matrix-assisted laser desorption/ionization time-of-flight (MALDI-TOF) mass spectrometry was used for qual. and quant. end-group anal. of a small mol. wt. polyester, poly(2-butyl-2-ethyl-1,3-propylene phthalate). The presence of carboxyl-terminated linear and cyclic polyester oligomers was confirmed with the help of simple sample prepn. methods. The presence of carboxyl end-groups in the polyester chains was verified through their formation of carboxylate salts with alkali metal cations. Cyclic oligomers were identified through deuterium exchange of the exchangeable protons of the polyester. Various inorg. salts were tested for salt formation of the carboxyl end-groups, but only the alkali metal salts proved effective. The influence of the alkali metal salts on the results of the quant. end-group anal. was also studied. The relative amts. of differently terminated and cyclic oligomers were calcd. when the alkali metal salts were used with different matrixes. The results showed that both the salts and the matrixes used in sample prepn. can have a marked effect on the quant. results of the end-group anal. The measurements were carried out using 2,5-dihydroxybenzoic acid (DHB), 1,8,9-trihydroxyanthracene (dithranol), and 2-(4-hydroxyphenylazo)benzoic acid (HABA) as matrix compds. Dithranol and HABA repeatably exhibited similar

results, and these results differed from those obtained with DHB probably because of the different ionization mechanisms in the MALDI process.

RE.CNT 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT.

L7 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2003 ACS

TI Comparison of electrospray ionization mass spectrometry with
matrix-assisted laser desorption ionization mass spectrometry and size
exclusion chromatography for the characterization of polyester resins

AN 1999:574961 CAPLUS

DN 131:299919 .

TI Comparison of electrospray ionization mass spectrometry with
matrix-assisted laser desorption ionization mass spectrometry and size
exclusion chromatography for the characterization of polyester resins

AU Hunt, Susan M.; Sheil, Margaret M.; Derrick, Peter J.

CS Department of Chemistry, University of Wollongong, Wollongong, 2522,
Australia

SO European Mass Spectrometry (1998), 4(6), 475-486

CODEN: EMSPFW; ISSN: 1356-1049

PB IM Publications

DT Journal

LA English

AB A series of 17 trimethylolpropane-branched satd. polyester paint resins
has been analyzed by electrospray ionization (ESI) and matrix-assisted
laser desorption (MALDI) mass spectrometry to compare the structural and
mol. wt. data derived from each technique. Optimization of sample prepn.
and laser power were found to be important factors in obtaining const.
mol. wt. distributions by MALDI. With ESI, we have shown previously that
the voltage applied to the sampling cone (or orifice) has a major
influence on the obsd. ion distributions. Using sampling cone voltages

at

which ion currents owing to the polymer were at a max., no.-av. (Mn) and
wt.-av. (Mw) mol. wt. values estd. by ESI were similar to, or slightly
higher than those detd. by MALDI. The use of size exclusion chromatog.
(SEC) for fractionation of polyester samples prior to ESI or MALDI anal.,
however, showed that both techniques significantly underestimate the av.
mol. wts. of the polyesters. This is consistent with other studies that
have shown that ESI and MALDI are unsuitable for detg. mol. wts. of
polydisperse polymers. Differences in the relative abundances of

branched

and cyclic species in ESI vs. MALDI mass spectra were also noted. These
differences were accentuated in the data obtained for the SEC fractions
which showed reduced sensitivity for branched species in ESI (esp. at
higher masses) and some discrimination against masses <500 Da in MALDI.
These data indicate that the different sample prepn. and/or ionization
processes in MALDI and ESI may result in enhancement/suppression of
closely related species to differing extents. Hence, where possible, it
would be useful to employ both techniques to ensure complete
characterization of complex polymer samples.

RE.CNT 55 THERE ARE 55 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2003 ACS

TI Matrix-assisted laser desorption ionization time-of-flight mass
spectrometry of synthetic polyesters

AN 1995:685605 CAPLUS

DN 123:57171

TI Matrix-assisted laser desorption ionization time-of-flight mass
spectrometry of synthetic polyesters

AU Blais, J. C.; Tessier, M.; Bolbach, G.; Remaud, B.; Rozes, L.; Guittard, J.; Brunot, A.; Marechal, E.; Tabet, J. C.
 CS Lab. Chimie Structurale Org. Biol., Univ. Pierre Marie Curie, Paris, F-75252, Fr.
 SO International Journal of Mass Spectrometry and Ion Processes (1995), 144(1/2), 131-8
 CODEN: IJMPDN; ISSN: 0168-1176
 PB Elsevier
 DT Journal
 LA English
 AB The anal. of aliph. and arom. polyesters by matrix-assisted laser desorption-ionization time-of-flight mass spectrometry (MALDI-TOF-MS) using 2,5-dihydroxybenzoic acid and tert-3-indoleacrylic acid as matrixes was reported. Broad asym. distributions of linear oligomer related peaks (protonated and cationized mols.) were obsd. with both matrixes. Peaks corresponding to cyclic oligomers were obsd. for the aliph. polyester. The oligomer mol.-wt. distribution derived from MALDI spectra exhibits a certain variability with both laser fluence and matrix material. This effect probably originates from difference solubilities of the various oligomers. In addn., for those polycondensates which are characterized

by a very broad distribution with a tail in the high mass range, a discrimination against the higher mass oligomers is likely to exist; the agreement between the av. mol. wts. detd. by MALDI and size exclusion chromatog. is not as good as for poly(ethylene glycol) or poly(Me methacrylate).

L7 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2003 ACS
 TI Dyeing of acid dye-dyeable polyester fibers. Part 3
 AN 1979:188399 CAPLUS
 DN 90:188399
 TI Dyeing of acid dye-dyeable polyester fibers. Part 3
 AU Nishikawa, Akifumi; Miyashita, Setsuo; Hayashi, Shotaro
 CS Fukui Prefect. Text. Eng. Res. Inst., Fukui, Japan
 SO Kenkyu Hokoku - Fukui-ken Sen'i Kogyo Shikenjo (1977), 22, 21-33
 CODEN: FSKHJD

DT Journal
 LA Japanese
 AB Acid dye-treated polyester fibers, with improved dye absorption, were prepd. by dyeing amine-modified fibers with a liquor contg. an acid dye,
 2 g/L butyl p-hydroxybenzoate (I) [94-26-8], and 1 mL/L H3PO4 at 120.degree. for 60 min. On dyeing amine-modified polyester fibers with a liquor contg. an acid dye and 0.5-5 g/L I or salicylic acid (II) [69-72-7], the absorption of dyes by the fibers increased with increasing I or II concn.

L7 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2003 ACS
 TI Heat-stable polyesters
 AN 1965:481348 CAPLUS
 DN 63:81348
 OREF 63:15056e-g
 TI Heat-stable polyesters
 IN Tambllyn, John W.; Bell, Alan; Kibler, Charles J.
 PA Eastman Kodak Co.
 SO 12 pp.
 DT Patent
 LA Unavailable
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	GB 1001943		19650818	GB	
	US 3227680		1966	US	19610307
AB	<p>Hydroquinones contg. ester-forming groups, such as gentisic acid (I), derivs. of I, and 2,5-dihydroxyterephthalic acid (II), are chem. combined with linear polyesters to give new polyesters. Thus, a mixt. of 19.4 g. di-Me terephthalate (III), 17.2 g. 1,4-cyclohexanedimethanol (IV), 0.154 g. I, and 0.1 ml. (iso-PrO)4-Ti in BuOH (4.8% Ti) is heated 1 hr. at 200-50.degree., heated at 290-300.degree., and evacuated 5 min. to give a prepolymer. The prepolymer is ground and polymerized for 3 hrs. at 280.degree. and 0.08 mm. in the solid state to give a polyester (V), inherent viscosity (60:40 PhOH:C2H2Cl4) 0.95. III (19.4 g.) is treated with 17.2 g. IV and 0.196 g. 2,5-(HO)2C6H3CO2Pr (VI) to give a polyester contg. one geritistic group/100 terephthalic groups. Similarly prepd. are [reactants, molar ratio, and inherent viscosity of the product given]: III, 1,3-C6H4(CO2Me)2 (VII), IV, I, 0.08:0.02:0.13:0.003, 0.93; III, IV, II, 0.1:0.12:0.001, 0.86; III, IV, II, 0.10:0.14:0.02, 0.76; III, IV, 2,5-bis[4-(hydroxymethyl)cyclohexylmethoxy] hydroquinone, 0.10:0.12:0.002, 0.90; III, VII, IV, I, 0.083:0.017:0.12:0.001, 0.70; III, [MeO2C(CH2)3]2CH2, VI, 0.075:0.025:0.001, 0.96; III, VII, HOCH2CH2OH, I, 0.075:0.025:0.20:0.001, -; (p-BuO2CC6H4)2SO2, HO(CH2)5OH, VI, 0.1:0.15:0.002, -. A mixt. of III 0.083, VII 0.017, and IV 0.012 mole is polymerized to give a polyester, inherent viscosity 0.72. V is</p>				
	<p>compression molded to give a film, and the film is heated in air 15 hrs. at 185.degree. to give a viscosity breakdown of 4% as compared with 48% for the control.</p>				

=> e regfile reg

E1	1	REGFE/BI
E2	1	REGFENERATION/BI
E3	0 -->	REGFILE REG/BI
E4	1	REGFION/BI
E5	1	REGFOR1/BI
E6	2	REGFP/BI
E7	2	REGFR/BI
E8	1	REGFRGPRF3/BI
E9	2	REGFS/BI
E10	8	REGG/BI
E11	4	REGGAMMA/BI
E12	2	REGGAN/BI

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	23.68	36.49
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-4.56	-4.56

FILE 'REGISTRY' ENTERED AT 10:49:57 ON 05 JUN 2003
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
 COPYRIGHT (C) 2003 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 4 JUN 2003 HIGHEST RN 525536-93-0
DICTIONARY FILE UPDATES: 4 JUN 2003 HIGHEST RN 525536-93-0

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> e adipiic acid

E1	9229	ADIPIC/BI
E2	4	ADIPICA/BI
E3	0 -->	ADIPIIC ACID/BI
E4	19	ADIPIMID/BI
E5	18	ADIPIMIDATE/BI
E6	9	ADIPIMIDE/BI
E7	30	ADIPIMIDIC/BI
E8	1	ADIPIMIDINE/BI
E9	5	ADIPIMIDO/BI
E10	4	ADIPIMIDOYL/BI
E11	2	ADIPIMIDOYLDI/BI
E12	8	ADIPIN/BI

=> e adipiic acid/cn

E1	1	ADIPIC-D8 ACID, METHYL ESTER/CN
E2	1	ADIPIC-D8 ACID-D2/CN
E3	0 -->	ADIPIIC ACID/CN
E4	1	ADIPIMIDE/CN
E5	1	ADIPIMIDE, N-(2-(BENZYLOXY)ETHYL)-/CN
E6	1	ADIPIMIDE, N-PHENETHYL-/CN
E7	1	ADIPIMIDE, OXIME/CN
E8	1	ADIPIMIDE, POLYMERS/CN
E9	1	ADIPIMIDE, SODIUM SALT/CN
E10	1	ADIPIMIDIC ACID, DIBENZYL ESTER/CN
E11	1	ADIPIMIDIC ACID, DIBENZYL ESTER, DIHYDROCHLORIDE/CN
E12	1	ADIPIMIDIC ACID, DIBUTYL ESTER/CN

=> e adipic acid/cn

E1	1	ADIPIC ACI-1,4-CYCLOHEXANEDICARBOXYLIC ACID-DESMODUR N
3300-		HEXAHYDROPHTHALIC ANHYDRIDE-NEOPENTYL GLYCOL-ISOPHTHALIC
ACI		D-TRIMETHYLOLPROPANE COPOLYMER/CN
E2	1	ADIPIC ACI-ADIPIC ACID HEXAMETHYLENEDIAMINE
SALT-ISOPHTHALIC		ACID HEXAMETHYLENEDIAMINE SALT COPOLYMER/CN
E3	1 -->	ADIPIC ACID/CN
E4	1	ADIPIC ACID 1,4-BUTANEDIAMINE SALT HOMOPOLYMER/CN
E5	1	ADIPIC ACID 1,4-BUTANEDIOL-BUTYL ACRYLATE-BUTYL
METHACRYLATE		

-HYDROXYPROPYL METHACRYLATE-MALEIC ANHYDRIDE-METHACRYLIC

ACI

D-METHYL METHACRYLATE COPOLYMER/CN

E6 1 ADIPIC ACID

1,4-BUTANEDIOL-N,N'-DIMETHYLHYDRAZINE-ISOPROPYLI

DENE DICYCLOHEXYL-4,4'-DIISOCYANATE/CN

E7 1 ADIPIC ACID 2,2-BIS(4-AMINOCYCLOHEXYL)PROPANE SALT/CN

E8 1 ADIPIC ACID 2,2-BIS(4-AMINOCYCLOHEXYL)PROPANE SALT

POLYMER/C

N

E9 1 ADIPIC ACID 2,2-BIS(4-AMINOCYCLOHEXYL)PROPANE SALT

POLYMER,

SRU/CN

E10 1 ADIPIC ACID 2,5-DIMETHYLHEXAMETHYLENEDIAMINE SALT/CN

E11 1 ADIPIC ACID 2-METHYLIMIDAZOLE SALT (1:1)/CN

E12 1 ADIPIC ACID 2-PHENYLIMIDAZOLINE SALT (1:1)/CN

=> e3

L8 1 "ADIPIC ACID"/CN

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	4.62	41.11
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-4.56

FILE 'CAPLUS' ENTERED AT 10:50:27 ON 05 JUN 2003

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 5 Jun 2003 VOL 138 ISS 23

FILE LAST UPDATED: 4 Jun 2003 (20030604/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> l8

L9 11452 L8

=> d his

(FILE 'HOME' ENTERED AT 10:44:04 ON 05 JUN 2003)

FILE 'REGISTRY' ENTERED AT 10:44:14 ON 05 JUN 2003
E 2,5-DIHYDROXYBENZOIC ACID/CN
L1 1 E3
E 2,3-DIHYDROXYBENZOIC ACID/CN
L2 1 E3

FILE 'CAPLUS' ENTERED AT 10:45:30 ON 05 JUN 2003
L3 2435 L1
L4 1043 L2
L5 3056 L3 OR L4
L6 277379 POLYESTER
L7 7 L5(L)L6
E REGFILE REG

FILE 'REGISTRY' ENTERED AT 10:49:57 ON 05 JUN 2003
E ADIPIIC ACID
E ADIPIIC ACID/CN
E ADIPIC ACID/CN
L8 1 E3

FILE 'CAPLUS' ENTERED AT 10:50:27 ON 05 JUN 2003
L9 11452 L8

=> 15 and 19
L10 31 L5 AND L9

=> 15(1)19
L11 0 L5(L)L9

=> d 110 21-31 ti

L10 ANSWER 21 OF 31 CAPLUS COPYRIGHT 2003 ACS
TI The influence of the structure of reagents on their effectiveness as
dispersants for cassiterite suspensions

L10 ANSWER 22 OF 31 CAPLUS COPYRIGHT 2003 ACS
TI Metabolic profiles of urinary organic acids recovered from absorbent
filter paper

L10 ANSWER 23 OF 31 CAPLUS COPYRIGHT 2003 ACS
TI Identification of metabolites diagnostic for organic acidurias by
simultaneous dual-column capillary gas chromatography

L10 ANSWER 24 OF 31 CAPLUS COPYRIGHT 2003 ACS
TI Isolation and identification of the phenolic acids of tobacco smoke

L10 ANSWER 25 OF 31 CAPLUS COPYRIGHT 2003 ACS
TI Nutritional diversity of Rhizobiaceae revealed by auxanography

L10 ANSWER 26 OF 31 CAPLUS COPYRIGHT 2003 ACS
TI Electrolytic capacitor

L10 ANSWER 27 OF 31 CAPLUS COPYRIGHT 2003 ACS
TI The identification of aliphatic acids by thermal reaction analysis

L10 ANSWER 28 OF 31 CAPLUS COPYRIGHT 2003 ACS
TI Microscopic identification of organic materials according to L. Kofler.
V

L10 ANSWER 29 OF 31 CAPLUS COPYRIGHT 2003 ACS

TI Extracting capacity of various solvents

L10 ANSWER 30 OF 31 CAPLUS COPYRIGHT 2003 ACS

TI A gas-liquid-chromatographic procedure for separating a wide range of metabolites occurring in urine or tissue extracts

L10 ANSWER 31 OF 31 CAPLUS COPYRIGHT 2003 ACS

TI Chromatographic study of the principal organic acids

=> d 110 1-20 ti

L10 ANSWER 1 OF 31 CAPLUS COPYRIGHT 2003 ACS

TI Controlled release compositions containing opioids and polymers

L10 ANSWER 2 OF 31 CAPLUS COPYRIGHT 2003 ACS

TI Controlled release pharmaceutical compositions containing polymers

L10 ANSWER 3 OF 31 CAPLUS COPYRIGHT 2003 ACS

TI Controlled release solid dispersions containing carvedilol

L10 ANSWER 4 OF 31 CAPLUS COPYRIGHT 2003 ACS

TI Thermal bleeding of metal components in film laminates by carboxylic acids

L10 ANSWER 5 OF 31 CAPLUS COPYRIGHT 2003 ACS

TI Identification of potential fermentation inhibitors in conversion of hybrid poplar hydrolyzate to ethanol

L10 ANSWER 6 OF 31 CAPLUS COPYRIGHT 2003 ACS

TI On-Capillary Ion-Exchange Preconcentration of Inorganic Anions in Open-Tubular Capillary Electrochromatography with Elution Using Transient-Isotachophoretic Gradients. 2. Characterization of the Isotachophoretic Gradient

L10 ANSWER 7 OF 31 CAPLUS COPYRIGHT 2003 ACS

TI Modification of the taste and physicochemical properties of neotame using hydrophobic acid additives

L10 ANSWER 8 OF 31 CAPLUS COPYRIGHT 2003 ACS

TI Surface regeneration of biosensors using a combination of solutions based on interaction-specific optimized processes

L10 ANSWER 9 OF 31 CAPLUS COPYRIGHT 2003 ACS

TI Direct matrix-assisted laser desorption/ionization mass spectrometric analysis of glycosphingolipids on thin layer chromatographic plates and transfer membranes

L10 ANSWER 10 OF 31 CAPLUS COPYRIGHT 2003 ACS

TI Ion-selective electrode and method for selective determination of analytes
in body fluids

L10 ANSWER 11 OF 31 CAPLUS COPYRIGHT 2003 ACS

TI Degradation of BTEX and their aerobic metabolites by indigenous microorganisms under nitrate reducing conditions

L10 ANSWER 12 OF 31 CAPLUS COPYRIGHT 2003 ACS

TI color developing agent for silver halide photographic material

L10 ANSWER 13 OF 31 CAPLUS COPYRIGHT 2003 ACS
 TI Compact gas chromatography used with thin-layer chromatography for assessment of abnormalities of organic acids

L10 ANSWER 14 OF 31 CAPLUS COPYRIGHT 2003 ACS
 TI Mechanism of allergic cross-reactions. I. Multispecific binding of ligands to a mouse monoclonal anti-DNP IgE antibody

L10 ANSWER 15 OF 31 CAPLUS COPYRIGHT 2003 ACS
 TI Cosubstrate binding site of Pseudomonas sp. AK1 .gamma.-butyrobetaine hydroxylase. Interactions with structural analogs of .alpha.-ketoglutarate

L10 ANSWER 16 OF 31 CAPLUS COPYRIGHT 2003 ACS
 TI Trace analysis as TBDMS (tert-butyldimethylsilyl) derivatives of organic acids in aqueous samples

L10 ANSWER 17 OF 31 CAPLUS COPYRIGHT 2003 ACS
 TI Urinary organic acids: retention indexes on two capillary gas chromatography columns

L10 ANSWER 18 OF 31 CAPLUS COPYRIGHT 2003 ACS
 TI Neoplasm inhibitors comprising metal salts and phenol derivatives

L10 ANSWER 19 OF 31 CAPLUS COPYRIGHT 2003 ACS
 TI Metabolic profiling of urinary organic acids by single and multicolumn capillary gas chromatography

L10 ANSWER 20 OF 31 CAPLUS COPYRIGHT 2003 ACS
 TI Solid-phase extraction with strong anion-exchange columns for selective isolation and concentration of urinary organic acids

=> d l10 1,2 ti fbib abs

L10 ANSWER 1 OF 31 CAPLUS COPYRIGHT 2003 ACS
 TI Controlled release compositions containing opioids and polymers
 AN 2003:242150 CAPLUS
 DN 138:276257
 TI Controlled release compositions containing opioids and polymers
 IN Fischer, Gina; Bar-Shalom, Daniel; Slot, Lillian; Jensen, Christine
 PA Egalet A/S, Den.
 SO PCT Int. Appl., 66 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	WO 2003024430	A1	20030327	WO 2002-DK619	20020923
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY				

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG,
CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,
PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,
NE, SN, TD, TG

DK 2001-1376 A 20010921

AB A pharmaceutical compn. for controlled release of an active substance.
The active substance is released into an aq. medium by erosion of at
least

one surface of the compn. The compn. comprises a matrix contg. polymer
or

a mixt. of polymers, an active substance and, optionally, 1 or more
excipients, and a coating. A zero order drug release is desirable. The
matrix typically comprises PEG and the active substance is typically an
opioid such as morphine or a glucuronide. The coating comprises a first
cellulose deriv. which is substantially insol. in the aq. medium and at
least 1 of a second cellulose deriv. which is sol. or dispersible in
water, a plasticizer, and, a filler. A compn. was prepd. from the
following ingredients: PEG-200,000 83.5, and morphine sulfate 16.5% by
wt.

The coating and the matrix were prepd. as described above. The compn.

was

9 mm long and had elliptic formed surfaces. Morphine sulfate (96.65%)

was

released in 8 h.

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 2 OF 31 CAPLUS COPYRIGHT 2003 ACS

TI Controlled release pharmaceutical compositions containing polymers

AN 2003:242149 CAPLUS

DN 138:276256

TI Controlled release pharmaceutical compositions containing polymers

IN Fischer, Gina; Bar-Shalom, Daniel; Slot, Lillian; Lademann, Anne-Marie;
Jensen, Christine

PA Egalet A/S, Den.

SO PCT Int. Appl., 105 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003024429	A1	20030327	WO 2002-DK620	20020923
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			

DK 2001-1377 A 20010921

DK 2002-1044 A 20020703

PATENT FAMILY INFORMATION:

FAN 2003:242148

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
------------	------	------	-----------------	------

PI WO 2003024426 A1 20030327 WO 2002-DK621 20020923
 W: AE, AG, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH,
 CN, CO, CR, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EC, EE, EE, ES,
 FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG,
 KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
 MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK,
 SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
 ZW, AM, AZ, BY
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG,
 CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,
 PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,
 NE, SN, TD, TG

DK 2001-1375 A 20010921
 DK 2001-1611 A 20011031
 DK 2002-1044 A 20020703

AB A method for controlling the release of at least one therapeutically,
 prophylactically and/or diagnostically active substance into an aq.

medium
 by erosion of at least one surface of a pharmaceutical compn. The method
 comprises adjusting the concn. and/or the nature of the ingredients

making
 up the matrix compn. in such a manner so as to obtain an approx.
 zero-order release of the drug from the pharmaceutical compn. when

subject
 to an in vitro dissoln. test as described herein. The compn. comprises a
 matrix compn. contg. a polymer or a mixt. of polymers that may be
 substantially water sol. and/or cryst., an active substance and,
 optionally, one or more pharmaceutically acceptable excipients, and a
 coating. Typical polymers are PEG. The coating comprises a first
 cellulose deriv. which is substantially insol. in the aq. medium, and at
 least one of a second cellulose deriv. which is sol. or dispersible in
 water, a plasticizer, and a filler. The active ingredient may be
 carvedilol. Stable solid dispersions of active substances having low
 water soly. are also disclosed. Thus, a compn. contained PEG 64.6,
 carvedilol 30, and citric acid 5.4% by wt.

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

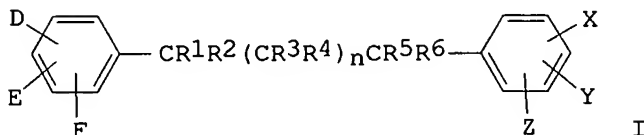
=> d 110 18 ti fbib abs

L10 ANSWER 18 OF 31 CAPLUS COPYRIGHT 2003 ACS
 TI Neoplasm inhibitors comprising metal salts and phenol derivatives
 AN 1989:417704 CAPLUS
 DN 111:17704
 TI Neoplasm inhibitors comprising metal salts and phenol derivatives
 IN Jordan, Russell T.; Allen, Larry M.
 PA Chemex Pharmaceuticals, Inc., USA
 SO PCT Int. Appl., 131 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 8803805	A1	19880602	WO 1986-US2547	19861119
	W:		AU, DK, FI, JP, KP, KR, NO, SU		
	RW:		AT, BE, CH, DE, FR, GB, IT, LU, NL, SE		

AU 8767794	A1	19880616	AU 1987-67794	19861119
			WO 1986-US2547	19861119
EP 290442	A1	19881117	EP 1987-900420	19861119
		R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE		
			WO 1986-US2547	19861119
JP 01501791	T2	19890622	JP 1987-500359	19861119
			WO 1986-US2547	19861119
AU 9168662	A1	19910314	AU 1991-68662	19910104
			WO 1986-US2547	19861119

OS MARPAT 111:17704
GI



AB Antitumor compns. comprise a metal salt and the phenols I [D, E, F, X, Y, Z = H, OH, (un)substituted alkoxy or acyloxy; R1-R6 = H, (un)substituted alkyl or alkoxy, etc.; n = 0, 1-5; the phenolic groups may be joined by CH2, CH2CH2, HOP(O), R7OP(O); R7 = alkyl; either of the 2 benzene rings may be replaced by cyclohexyl, naphthyl, tetrahydronaphthyl, pyridyl, piperinyl, quinolinyl, indanyl or indenyl; any R4-R6 may be joined with the benzene carbons to form rings]. The metal salts are of Zn, Cr(III), Y, Co(II), Co(III), Ni, Mg, Al, Cu(I), Cu(II), Fe(III), Cd, Sb, Hg, Rb, V, or rare earth metals. 1-(3,4-Dimethoxyphenyl)-4-(2,3,4-trimethoxyphenyl)butane (prepn. given) was refluxed with HBr under N for 9 h to give 1-(3,4-dihydroxyphenyl)-4-(2,3,4-trihydroxyphenyl)butane (II). Intratumor administration of II together with ZnCl2 enhanced the survival time and decreased tumor incidence in mice with transplanted human breast adenocarcinoma. An ointment contained ZnCl2 10.0, a catecholic butane 5.0, PEG-400 4.2, PEG-8000 61.7, water 19.0 and ascorbic acid 0. mg by wt.

=> logoff hold		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	28.56	69.67
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-1.95	-6.51

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 10:58:50 ON 05 JUN 2003

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssspta1623paz

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 11:32:50 ON 05 JUN 2003
FILE 'CAPLUS' ENTERED AT 11:32:50 ON 05 JUN 2003
COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	28.56	69.67
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.95	-6.51

=> d his

(FILE 'HOME' ENTERED AT 10:44:04 ON 05 JUN 2003)

FILE 'REGISTRY' ENTERED AT 10:44:14 ON 05 JUN 2003

E 2,5-DIHYDROXYBENZOIC ACID/CN
L1 1 E3
E 2,3-DIHYDROXYBENZOIC ACID/CN
L2 1 E3

FILE 'CAPLUS' ENTERED AT 10:45:30 ON 05 JUN 2003

L3 2435 L1
L4 1043 L2
L5 3056 L3 OR L4
L6 277379 POLYESTER
L7 7 L5(L)L6
E REGFILE REG

FILE 'REGISTRY' ENTERED AT 10:49:57 ON 05 JUN 2003

E ADIPIIC ACID
E ADIPIIC ACID/CN
E ADIPIC ACID/CN
L8 1 E3

FILE 'CAPLUS' ENTERED AT 10:50:27 ON 05 JUN 2003

L9 11452 L8
L10 31 L5 AND L9
L11 0 L5(L)L9

=> diacid

5590 DIACID
2289 DIACIDS
L12 7306 DIACID
(DIACID OR DIACIDS)

=> l12 and l5

L13 2 L12 AND L5

=> d l13 1-2 ti

L13 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS
TI Therapeutic polyesters and polyamides

L13 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS
TI Isolation of immunoglobulins

=> dihydrobenzoic

L14 1 DIHYDROXBenzoic

=> dihydroxybenzoic

L15 3758 DIHYDROXYBenzoic

=> l12(1)l15

L16 2 L12(L)L15

=> l16 not l13

L17 2 L16 NOT L13

=> d l17 1-2 ti

L17 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS

TI A new macrocyclic diacid with balanced conformational flexibility and preorganization

L17 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS

TI Acceleration of hemiacetal cleavage through hydrogen bonding: a new synthetic catalyst with balanced conformational flexibility and preorganization

=> d l17 1-2 ti fbib abs

L17 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS

TI A new macrocyclic diacid with balanced conformational flexibility and preorganization

AN 1993:124506 CAPLUS

DN 118:124506

TI A new macrocyclic diacid with balanced conformational flexibility and preorganization

AU Gennari, Cesare; Molinari, Francesco; Bartoletti, Marcella; Potenza, Donatella

CS Dip. Chim. Org. Ind., Univ. Milano, Milan, I-20133, Italy

SO Gazzetta Chimica Italiana (1992), 122(8), 279-82

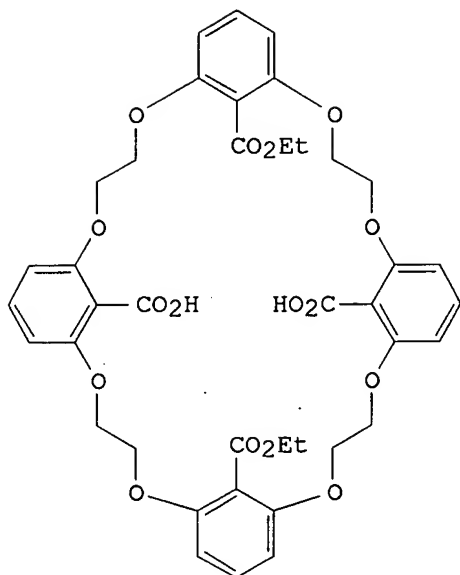
CODEN: GCITA9; ISSN: 0016-5603

DT Journal

LA English

OS CASREACT 118:124506

GI



I

AB Macrocyclic **diacid** I (di-tert-Bu tetrabenzooctaoxacyclotetracosin tetracarboxylate) was designed and synthesized as an effective catalyst for hemiacetal cleavage. Mol. modeling studies (using Clark Still's

Macro

Model) show that I has many accessible low energy conformations with various degrees of carboxyl group convergence. A straightforward synthesis of I was developed (overall yield ca. 19-20%) starting from

com.

available 2,6-dihydroxybenzoic acid. In the key-step, a Cs₂CO₃-mediated reaction under high diln. and slow addn. gave the 28-membered ring of I as the only non-polymeric product in 45% yield.

The

dissozn. consts. of **diacid** I in a 1:1 H₂O/MeOH mixt. were measured. I was a catalyst for glycolaldehyde dimer dissozn. and for mutarotation of tetramethylglucose.

L17 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS

TI Acceleration of hemiacetal cleavage through hydrogen bonding: a new synthetic catalyst with balanced conformational flexibility and preorganization

AN 1991:246650 CAPLUS

DN 114:246650

TI Acceleration of hemiacetal cleavage through hydrogen bonding: a new synthetic catalyst with balanced conformational flexibility and preorganization

AU Gennari, Cesare; Molinari, Francesco; Bartoletti, Marcella; Piarulli, Umberto; Potenza, Donatella

CS Dip. Chim. Org. Ind., Univ. Milano, Milan, 20133, Italy

SO Journal of Organic Chemistry (1991), 56(10), 3201-3

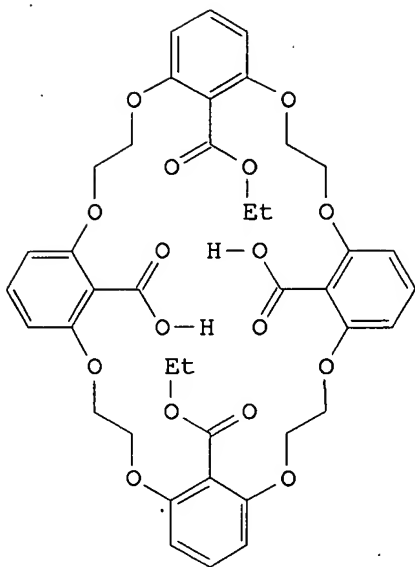
CODEN: JOCEAH; ISSN: 0022-3263

DT Journal

LA English

OS CASREACT 114:246650

GI



I

AB Hemiacetal cleavage catalyst (I) was designed, synthesized, and shown to be effective in promoting glycolaldehyde dimer (II) dissociation and tetramethylglucose mutarotation. Mol. modeling studies (using Clark Still's MacroModel) show that I has many accessible low energy conformations with various degrees of carboxyl group convergence. A straightforward synthesis of I was developed (overall yield ca. 19-20%) starting from commercially available 2,6-dihydroxybenzoic acid. In the key-step, Cs₂CO₃ mediated reaction under high dilution and slow addition conditions gave the 28-membered ring of I as the only nonpolymeric product

in 45% yield. **Diacid I** is a quite effective catalyst for II dissociation: a 0.0125 mM:5 mM catalyst:substrate ratio (1:400) is enough to convert the dimer to the monomer (25% completion) within 2.5 h. Comparisons were made with the uncatalyzed reaction, and with other catalysts described in the work of J. Rebek and coworkers (1988). For example, the rate acceleration is remarkably higher than that imparted by benzoic acid (ca. 5-6 times faster with 80 times less catalyst). **Diacid I** is about 10 times more efficient than 2-pyridone and 5 times more efficient than benzoic acid as catalyst for tetramethylglucose mutarotation in benzene. Mechanisms for binding and catalysis were proposed and briefly discussed. Although the rate accelerations reported are rather small, these data show that catalyst I is relatively substrate insensitive, which is an important feature for the development of reaction-tailored catalysts compared to substrate-tailored ones.

=> succinic acid

52738 SUCCINIC
3649935 ACID
1384055 ACIDS
4110606 ACID

(ACID OR ACIDS)

L18 32114 SUCCINIC ACID

(SUCCINIC(W)ACID)

=> 15 and 118

L19 59 L5 AND L18

=> polymer

899637 POLYMER

760272 POLYMERS

L20 1227210 POLYMER

(POLYMER OR POLYMERS)

=> 119 and 120

L21 10 L19 AND L20

=> d 121 1-10 ti

L21 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2003 ACS

TI Controlled release compositions containing opioids and **polymers**

L21 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2003 ACS

TI Controlled release pharmaceutical compositions containing **polymers**

L21 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2003 ACS

TI Controlled release solid dispersions containing carvedilol

L21 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2003 ACS

TI Integrated wine quality sensor

L21 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2003 ACS

TI Weed growth-inhibiting formulations containing nonselective organophosphorus herbicides

L21 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2003 ACS

TI Infrared-matrix-assisted laser desorption/ionization and infrared-laser desorption/ ionization investigations of synthetic **polymers**

L21 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2003 ACS

TI Investigations of 2,5-DHB and **succinic acid** as matrixes for IR and UV MALDI. Part I: UV and IR laser ablation in the MALDI process

L21 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2003 ACS

TI Matrix-assisted laser desorption ionization mass spectrometry of proteins electroblotted after polyacrylamide gel electrophoresis

L21 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2003 ACS

TI Simple bioassay for antioxidants based on protection of Tetrahymena pyriformis from the photodynamic toxicity of benzo-(a)pyrene

L21 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2003 ACS

TI A survey of effects of chemicals on division and growth of yeast and Escherichia coli

=> d 121 3,7 ti fbib abs

L21 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2003 ACS

TI Controlled release solid dispersions containing carvedilol

AN 2003:242148 CAPLUS

DN 138:276255
 TI Controlled release solid dispersions containing carvedilol
 IN Fischer, Gina; Bar-Shalom, Daniel; Slot, Lillian; Lademann, Anne-Marie;
 Jensen, Christine
 PA Egalet A/S, Den.
 SO PCT Int. Appl., 110 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003024426	A1	20030327	WO 2002-DK621	20020923
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH,				
	CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES,				
	FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG,				
	KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,				
	MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK,				
	SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,				
	ZW, AM, AZ, BY				
	RW:				
	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG,				
	CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,				
	PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,				
	NE, SN, TD, TG				
				DK 2001-1375	A 20010921
				DK 2001-1611	A 20011031
				DK 2002-1044	A 20020703

PATENT FAMILY INFORMATION:

FAN 2003:242149

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003024429	A1	20030327	WO 2002-DK620	20020923
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH,				
	CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES,				
	FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG,				
	KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,				
	MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK,				
	SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,				
	ZW, AM, AZ, BY				
	RW:				
	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG,				
	CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,				
	PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,				
	NE, SN, TD, TG				
				DK 2001-1377	A 20010921
				DK 2002-1044	A 20020703

AB A controlled release pharmaceutical compn. for oral use comprises a solid dispersion of at least one therapeutical agent and/or diagnostic substance, which at least partially is in an amorphous form, a **polymer** that has plasticizing properties, and optionally, a stabilizing agent, the at least one active substance having a limited water soly., and the compn. being designed to release the active substance with a substantially zero order release. The **polymer** is typically a polyethylene glycol and/or polyethylene oxide having a mol. wt. of at least about 20,000 in cryst. and/or amorphous form or a mixt. of such **polymers**, and the active substance is typically carvedilol. The compn. may comprise a coated matrix, the coating comprising a first cellulose deriv. which is substantially insol. in the aq. medium, and at

least one of a second cellulose deriv. which is sol. or dispersible in water, a plasticizer, and a filler. Thus, a compn. contained PEG 64.6, carvedilol 30, and citric acid 5.4% by wt. The dissoln. profile corresponded to a zero-order release of carvedilol from the compn.

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2003 ACS

TI Investigations of 2,5-DHB and **succinic acid** as matrixes for IR and UV MALDI. Part I: UV and IR laser ablation in the MALDI process

AN 1998:136667 CAPLUS

DN 128:254874

TI Investigations of 2,5-DHB and **succinic acid** as matrixes for IR and UV MALDI. Part I: UV and IR laser ablation in the MALDI process

AU Kampmeier, Jürgen; Dreisewerd, Klaus; Schurenberg, Martin; Strupat, Kerstin

CS Inst. Med. Phys. Biophys., Univ. Munster, Munster, 48149, Germany

SO International Journal of Mass Spectrometry and Ion Processes (1997), 169/170, 31-41

CODEN: IJMPDN; ISSN: 0168-1176

PB Elsevier Science B.V.

DT Journal

LA English

AB UV and IR laser ablation under MALDI conditions is described for two typical solid UV and IR matrixes. 2,5-Dihydroxybenzoic acid (2,5-DHB) as a UV and IR matrix and **succinic acid** (SA) as an IR matrix were investigated systematically by light and electron microscopy, and by mass spectrometry. Large single crystals of 2,5-DHB and SA with and without protein incorporation were used for the expts. The UV MALDI expts. were performed with a flat-top laser beam profile. Within a limited fluence range, these exposures resulted in the formation of typical cone structures, occurring after several hundred laser shots onto a given spot. Such structures had originally been described for materials

processing of **polymers** and ceramics with excimer lasers. For the IR exposures, a Gaussian laser beam profile was used. The much lower absorption of matrix compds. at IR wavelengths compared with the absorption of matrix compds. at UV wavelengths results in a much larger penetration depth of the IR laser light into the matrix solid and consequently in a much higher ablation depth and amt. of ablated material.

This large vol. of material, ablated per single exposure, prevents the formation of sp. surface structures in IR MALDI. The amt. of matrix material ablated per laser shot was measured with a laser profilometer to about 10,000 .mu.m³. This det. the amt. of consumed protein per laser shot to about 1 fmol under typical IR MALDI conditions.

RE.CNT 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> glutaric acid

11276 GLUTARIC

1 GLUTARICS

11276 GLUTARIC

(GLUTARIC OR GLUTARICS)

3649935 ACID

1384055 ACIDS

4110606 ACID
(ACID OR ACIDS)
L22 8659 GLUTARIC ACID
(GLUTARIC(W)ACID)

=> d his

(FILE 'HOME' ENTERED AT 10:44:04 ON 05 JUN 2003)

FILE 'REGISTRY' ENTERED AT 10:44:14 ON 05 JUN 2003
E 2,5-DIHYDROXYBENZOIC ACID/CN
L1 1 E3
E 2,3-DIHYDROXYBENZOIC ACID/CN
L2 1 E3

FILE 'CAPLUS' ENTERED AT 10:45:30 ON 05 JUN 2003
L3 2435 L1
L4 1043 L2
L5 3056 L3 OR L4
L6 277379 POLYESTER
L7 7 L5(L)L6
E REGFILE REG

FILE 'REGISTRY' ENTERED AT 10:49:57 ON 05 JUN 2003
E ADIPIIC ACID
E ADIPIIC ACID/CN
E ADIPIC ACID/CN
L8 1 E3

FILE 'CAPLUS' ENTERED AT 10:50:27 ON 05 JUN 2003
L9 11452 L8
L10 31 L5 AND L9
L11 0 L5(L)L9
L12 7306 DIACID
L13 2 L12 AND L5
L14 1 DIHYDROXBENZOIC
L15 3758 DIHYDROXYBENZOIC
L16 2 L12(L)L15
L17 2 L16 NOT L13
L18 32114 SUCCINIC ACID
L19 59 L5 AND L18
L20 1227210 POLYMER
L21 10 L19 AND L20
L22 8659 GLUTARIC ACID

=> 15 and 122

L23 19 L5 AND L22

=> d 123 10-19 ti

L23 ANSWER 10 OF 19 CAPLUS COPYRIGHT 2003 ACS
TI Cosubstrate binding site of Pseudomonas sp. AK1 .gamma.-butyrobetaine
hydroxylase. Interactions with structural analogs of .alpha.-
ketoglutarate

L23 ANSWER 11 OF 19 CAPLUS COPYRIGHT 2003 ACS
TI Electrolytic solution for capacitor with reduced leak current

L23 ANSWER 12 OF 19 CAPLUS COPYRIGHT 2003 ACS

TI Urinary organic acids: retention indexes on two capillary gas chromatography columns

L23 ANSWER 13 OF 19 CAPLUS COPYRIGHT 2003 ACS

TI Metabolic profiling of urinary organic acids by single and multicolumn capillary gas chromatography

L23 ANSWER 14 OF 19 CAPLUS COPYRIGHT 2003 ACS

TI Phosphorus-31 NMR spectroscopic analysis of coal pyrolysis condensates and extracts for heteroatom functionalities possessing labile hydrogen

L23 ANSWER 15 OF 19 CAPLUS COPYRIGHT 2003 ACS

TI Solid-phase extraction with strong anion-exchange columns for selective isolation and concentration of urinary organic acids

L23 ANSWER 16 OF 19 CAPLUS COPYRIGHT 2003 ACS

TI A gas-liquid-chromatographic procedure for separating a wide range of metabolites occurring in urine or tissue extracts

L23 ANSWER 17 OF 19 CAPLUS COPYRIGHT 2003 ACS

TI Rauwolfia alkaloids. XXXI. The synthesis and activity of some reserpine analogs

L23 ANSWER 18 OF 19 CAPLUS COPYRIGHT 2003 ACS

TI Chromatographic study of the principal organic acids

L23 ANSWER 19 OF 19 CAPLUS COPYRIGHT 2003 ACS

TI Paper chromatography of alkali and alkaline earth cations

=> d l23 10 ti fbib abs

L23 ANSWER 10 OF 19 CAPLUS COPYRIGHT 2003 ACS

TI Cosubstrate binding site of Pseudomonas sp. AK1 .gamma.-butyrobetaine hydroxylase. Interactions with structural analogs of .alpha.-ketoglutarate

AN 1991:159783 CAPLUS

DN 114:159783

TI Cosubstrate binding site of Pseudomonas sp. AK1 .gamma.-butyrobetaine hydroxylase. Interactions with structural analogs of .alpha.-ketoglutarate

AU Ng, Sze Fong; Hanauske-Abel, Hartmut M.; Englard, Sasha

CS Dep. Biochem., Albert Einstein Coll. Med., Bronx, NY, 10461, USA

SO Journal of Biological Chemistry (1991), 266(3), 1526-33

CODEN: JBCHA3; ISSN: 0021-9258

DT Journal

LA English

AB Forty-one arom. and aliph. analogs of .alpha.-ketoglutarate were studied kinetically for their interaction with the .alpha.-ketoglutarate binding site of .gamma.-butyrobetaine hydroxylase obtained from Pseudomonas species AK1. Together, the compds. represent structural permutations probing the contribution of: (1) the C5 carboxyl group of .alpha.-ketoglutarate (domain I): the C1-C2 keto acid moiety of .alpha.-ketoglutarate (domain II): (3) the distance between domains I and II: and (4) the spatial relationship of the two domains required for optimal interaction with the cosubstrate binding site. All compds. were competitive inhibitors for .alpha.-ketoglutarate (Km 0.018 mM). Functionally, two subsites of the cosubstrate binding site were evident:

subsite I for polar interaction with the C5 carboxyl group, and subsite II, comprising of two distinct cis-oriented coordination sites of the catalytic ferrous ion which interact with the C1-C2 keto acid moiety.

The

most efficient inhibitors were pyridine 2,4-dicarboxylate (K_i 0.0002 mM) and 3,4-dihydroxybenzoate (K_i 0.0006 mM). Both compds. contain a

carboxyl

group and a chelating moiety corresponding to domains I and II of .alpha.-ketoglutarate, resp. The fixed orientation of these groups in both analogs was used to assess intersubsite distance and spatial relationship required for optimal interaction with the cosubstrate

binding

site. Binding at subsite I and chelation at subsite II were

indispensible

for effective competitive inhibition. The distance between these two domains also helped det. whether attachment at the cosubstrate binding site would be catalytically productive. This was emphasized by the failure of either oxaloacetate or .alpha.-ketoadipinate to promote hydroxylation. Optimal interdomain distance, however, was not sufficient for cosubstrate utilization, as pyridine 2,4-dicarboxylate, with an interdomain distance identical to .alpha.-ketoglutarate in its staggered conformation, did not sustain hydroxylation. Overall, these studies suggest that .alpha.-ketoglutarate utilization occurs in a ligand

reaction

at the active site ferrous ion of .gamma.-butyrobetaine hydroxylase.

This

is of particular interest since the delineated stereochem. mode of oxidative decarboxylation could generate the reactive oxo-iron species that was shown exptl. to promote .gamma.-butyrobetaine hydroxylation by

an

abstraction-recombination mechanism.

=> d 123 1-9 ti

L23 ANSWER 1 OF 19 CAPLUS COPYRIGHT 2003 ACS

TI Controlled release compositions containing opioids and polymers

L23 ANSWER 2 OF 19 CAPLUS COPYRIGHT 2003 ACS

TI Controlled release pharmaceutical compositions containing polymers

L23 ANSWER 3 OF 19 CAPLUS COPYRIGHT 2003 ACS

TI Controlled release solid dispersions containing carvedilol

L23 ANSWER 4 OF 19 CAPLUS COPYRIGHT 2003 ACS

TI Surface regeneration of biosensors using a combination of solutions based on interaction-specific optimized processes

L23 ANSWER 5 OF 19 CAPLUS COPYRIGHT 2003 ACS

TI Identification of Rhodococcus, Gordona and Dietzia species using carbon source utilization tests ("Biotype-100" strips)

L23 ANSWER 6 OF 19 CAPLUS COPYRIGHT 2003 ACS

TI Ability of Biolog and Biotype-100 systems to reveal the taxonomic diversity of the pseudomonads

L23 ANSWER 7 OF 19 CAPLUS COPYRIGHT 2003 ACS

TI Determination of organic acids in soil extracts by ion chromatography

L23 ANSWER 8 OF 19 CAPLUS COPYRIGHT 2003 ACS
TI Acids in chicory roots and malt. Part 1. Identification in roasted
products and method of determination

L23 ANSWER 9 OF 19 CAPLUS COPYRIGHT 2003 ACS
TI Compact gas chromatography used with thin-layer chromatography for
assessment of abnormalities of organic acids

=> logoff hold

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
79.25	120.36

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-5.21	-9.77

CA SUBSCRIBER PRICE

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 11:45:18 ON 05 JUN 2003